ANNUAL

ADMINISTRATION REPORT

OF

THE FOREST DEPARTMENT,

MADRAS PRESIDENCY,

FOR THE

OFFICIAL YEAR

1879-80.

MADRAS:
PRINTED BY C. FOSTER & CO., AT THE FOSTER PRESS.
1880.

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Letter from COLONEL R. H BEDDOME, Conservator of Forests, to C. G., MASTER, ESQ., Secretary to Government, Revenue Department, Ootacamund, dated Ootacamund, 15th July 1880, No. 459-A.

I HAVE the honor to forward my Annual Administration Report of the Forest Department for the past official year (1879-80) together with the usual Statistical Appendices.

2. SECTION I.—*Inspection Tours of the Conservator of Forests and the Forest Officers in Executive Charge.*—In the beginning of April the Conservator was on duty at Madras in connection with the proposed Forest Act.

In May he visited Pycarah and Neddivattam in connection with the cinchona coppicing operations, and in June he visited the different plantations on the Nilgiris.

From the 18th to 30th of July inspection in the South Coimbatore Forest Division.

From 31st July to 13th of September inspection in Tinnevelly, Madura and Trichinopoly.

November 5th to December 15th, Inspection in Nelambur, Wynad and Palghat, Coast Depôts, and Reserves in North Coimbatore.

January 5th to 14th, Office inspection at Madras.

January 15th to March 5th, inspection in the Cuddapah, Bellary and Nellore Districts.

Special Reports were submitted through the Board to Government on the Nilgiri Plantations, South Coimbatore Forest Division, the Zemindari forests of Singampatti, the Tinnevelly Forest Division, the Madura Forest Division, the Trichinopoly plantations, the Nelambur plantations, the Wynad Forest Division, the Cuddapah Forest Division, the forests and jungles of the Bellary District, and the forests, jungles and plantations of the Nellore District. Of the above the Board of Revenue only have reviewed the reports on the Madura and Wynad Forest Divisions, and on the Bellary and Nellore Districts, but the other six have been reviewed also by Government.

4. Unexpected and very trying work in the Bellary and Nellore Districts prevented the Conservator from carrying out proposed inspection in the Districts of North Arcot, Salem and Kurnool.

5. The Forest Officers in Executive charge appear generally to have travelled and inspected sufficiently within their Division, and the subjoined statement shows the number of days they were absent from their Head Quarters during the past as

compared with the previous year, as also work conducted in addition to their legitimate duties, transfers and leave.

Name of Officers.	Designation or Rank in the Department.	Name of Division.	Number of Days absent from Head Quarters.		Remarks.
			During 1878-79.	During 1879-80.	
Major J. Campbell Walker.	Depy. Consr. of Forests ...	Special Duty...	...	268	Major Walker was on privilege leave for one month and 17 days, from 26th May 1879.
Mr. E. Dampier ...	Ranger ...	Gumsur and Surada ...	43	175	Mr. Dampier travelled into the whole of the Government Forests and portion of Private Forests.
„ H. H. Yarde ...	Dy. Consr. ...	Cuddapah ...	215	160	
„ J. B. Brougham ...	Do. ...	Kurnool ...	55	185	
„ T. Sheffield ...	Do. ...	N. Arcot ...	125	164	
„ Wooldridge ...	Do. ...	S. Arcot ...	146	244	
„ G. Hadfield ...	Do. ...	Trichinopoly.	139	28 By Mr. Gass. 20 By Mr. Hadfield.	Mr. Hadfield took charge of the Division from Mr. Gass on the 2nd February 1880.
„ H. A. Gass ...	Do. ...	Madura ...	132	164	Mr. Gass had charge of Trichinopoly also from the beginning of the year up to 3rd February 1880.
„ W. C. Hayne ...	Do. ...	Tinnevelly ...	164	72 By Mr. Hadfield. 108 By Mr. Hayne.	Mr. Hadfield was in charge till 31st October 1879 during the absence of Mr. Hayne on boundary settlement.
„ A. W. Peet ...	Do. ...	N. Coimbatore	143	203	
„ R. Williams ...	Do. ...	S. Coimbatore.	239	245	
Major R. S. Jago ...	Do. ...	Nilgiris ...	136	116	Was absent on privilege leave from 9th November 1879 to 23rd December when Mr. Newman the Sub-Assistant had charge of the Division.
Head Assistant ...	Collector ...	Palghat ...	Not given.	10	
Mr. R. W. Morgan ...	Dy. Consr. ...	Wynad ...	99	116	Mr. Morgan was on privilege leave till 2nd June 1879 and travelled 1,623 miles during the rest of the year.
„ J. Ferguson ...	Do. ...	Nelambur ...	Not given.	Not given.	
Mahomed Ali Saib ...	SubAsst. Consr.	Salem ...	Not known.	155	Mahomed Ali Saib had charge of the whole Division during the absence of Mr. Stanbrough on Furlough.
Mr. W. Carroll ...	Ranger ...	S. Canara ...	70	182	

6. Section II-A. "*Reserved Forests.*"—Some progress towards Reserves has been made during the year, but it is felt on all sides that much cannot be accomplished until the Forest Act becomes Law. The Board of Revenue are very strong in their opinion on this subject as may be seen from their reviews on nearly all the Conservator's Special Reports, and in most Divisions all proposals and improvements towards real Conservancy as well as the general question of Reserves is in abeyance pending the passing of this long-talked-of Act; most Collectors of Forest Divisions, the Conservator himself and all his Officers, also feel that little can really be accomplished until the Act becomes Law, even with a proper definition of boundaries, reserves are futile unless there be a proper system of passports, more definite rules with regard to trespass, grazing rights, prevention of fire, collection of hill produce, &c., and all these are sadly wanting. The present small revenues of the Department are chiefly attributable to the want of an Act which, without unduly trenching upon communal rights and privileges, should enable the Department to almost entirely check the great amount of smuggling that now goes on, and to derive a proper revenue from forest products and grazing. Besides the question of Revenue, the existence of our mountain forests in the future may be said to depend much upon the support of a special Act, as it is already well exemplified that the mere orders of Government or of Collectors for reservation are quite insufficient, alienation and encroachment go on with or without the connivance of the Native Revenue officials or village authorities, and illicit felling is often rife; but even where this is not the case, continued and unrestricted

grazing, and its necessary accompaniment, fire, too often reduce a tract of forest or better jungle to such a condition that it is considered outside the category of "forest" or even "jungle land," and given up for cultivation. The alienation or destruction of mountain forests has progressed at a most alarming rate during the last few years, and there cannot now be a doubt that an Act is essentially necessary for their up-keep in the future ; and how much depends upon this up-keep! the water storage in rivers and tanks, and the welfare of many of the most fertile Districts in the plains, to say nothing of the existence of the game, and a vast quantity of the birds, and it may be added many of the delights which render the country endurable if not charming to the sportsman, the naturalist or lover of nature, &c.

7. The Government, it is believed, are now fully alive to the necessity of an Act, and an Act is in incubation, but it has been so for nearly 5 years; it is now however before a Select Committee and the first Revise has been printed, so there is some chance of its soon becoming Law.

8. In the meantime, as stated in the last Annual Report of this Department, a Forest Reserve Commission has been appointed by Government under Major C. Walker and they are engaged on the demarcation of Reserves district by district, but the Conservator as well as Major Walker both feel that the beneficial results of this work will be reduced to a minimum unless the Forest Act be speedily passed, and the Conservator is very doubtful how far the greatly increased expenditure is authorized with the present small revenues, the result of the absence of this Act.

9. The first work of this Commission was on the Anamallays hitherto known as the South Coimbatore Division and this was completed last year. The Commission selected 3 large Reserves.

(i.) A Reserve containing about 82 square miles including the Teak forest leased from the Nambuddy of Colungode (area 26·34 square miles), the Goodara-valley and all the slopes eastward as far as the foot of Thairmallai, then southward to the crest of the hills, and across Oomiamallai and due south to the Travancore boundary, the Travancore and Cochin boundary to form the southern and western boundary as far as Vengoli whence it follows the southern and western boundaries of the leased forest, of this 26·34 square miles are leased Teak forest, and 18·88 square miles Government Tunacadavu forests, of which a good portion is Teak; and a vast tract beyond the Vengoli, Anagoondy and Oomiamallai range, which is in part deciduous forests, in part heavy forests or dense tracts of reed bamboo.

(ii.) A Reserve known as "the Ponachi Reserve" whose area is about 6 square miles.

(iii.) A Reserve whose area is about 74 square miles comprising the whole of the upper portion of the Anjenad valley in British Territory.

10. The Government in their Order, dated 2nd August 1879, No. 1,612, sanctioned the proposals of the Commission and the formation of the Reserves.

11. Demarcation is in progress and has been completed in all the more feasible portions (vide para 45).

12. It will not be easy to treat these strictly as Reserves until the Forest Act becomes law, cattle grazing cannot be controlled and contractors under the Nambuddy are bringing timber through the reserved tracts without passports, and the Forest Officer has no power to challenge it or to insist upon passports, so consequently theft may be easy.

13. Major Walker also sent in a preliminary report on the Reserves in a certain portion of North Coimbatore, but these Reserves are not yet formed, and await further inspection and report.

14. The Commission have however concluded their work in Tinnevelly and indicated all the necessary Reserves, but their report has not yet reached the Conservator. They are now at work in the Madura District.

15. *Godavery.*—No report was received from the Collector on these forests although the Bhuddrachellam and Rekapilli forests whose total area is estimated at 520 square miles are in charge of a small establishment under his orders. These tracts were thoroughly inspected and reported upon by Mr. Boileau in 1877 and proposals* were submitted for the formation of certain Reserves aggregating 22 square miles in Bhuddrachellam, which has an area of 210 square miles and forest tracts of about 150 square miles, and 116 square miles in Rekapilli which has an area of 625 square miles and forest tracts of about 420 square miles. Government however thinking that some modifications of the proposed Reserves were necessary so as to exclude private property, sites of villages, Brinjari and other tracts or rights of way, Mr. Boileau was again deputed this year to this District, and he has now curtailed the former Reserves; and the present selected areas only aggregate 8 square miles in Bhuddrachellam, and 66 square miles in Rekapilli; this selection work has been concluded within the official year and Mr. Boileau's reports with the covering letters of the Collector of the District and the Conservator have been published in the Board's Proceedings as per margin, and are now before Government.

*Vide G O. No. 474 of the 25th February 1879.

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No 607 dated 1st May '80.
„ 739 „ 28th May '80.
„ 822 „ 15th June '80.

16. *Gumsur and Surada.*—The Conservator's last Inspection Report was published by Government during the year in G. O. No. 1,923 of 24th September 1879.

17. Mr. Dampier, Ranger in charge of this Division, reports that he has been carefully exploring all the Forests of his Division, and that he is engaged in marking out the tracts to be formed into Reserves (in accordance with G. O. No. 1,923 of 24th September 1879), and a full report on the same will shortly be submitted.

18. The Ranger reports that the Zemindary forests of Ranobah and Koradah, both lying to the west of Russelcondah, are a source of great annoyance to the Department. Timber is allowed to be removed from them through the Government forests upon simple chits of the Zemindars or their contractors. This practice gives room for much clandestine felling in the Government forest, which it is feared will continue until the introduction of a proper system of passports and rules regulating the transport, &c., which in accordance with G. O. No. 1,923 of the 24th September 1879 is in abeyance pending the passing of the Forest Act.

19. The Ranger thinks that the forests belonging to these Zemindars might be leased by Government, but the Collector does not advise it: the Conservator thinks it desirable, not for the yield of timber, but for the better conservancy of the Government tracts; already they are an obstruction to Conservancy and the more the forests are opened out or worked the more this will be felt, now they may be rented for a very small sum as the proprietors derive little from them, but in future years when the renting might be found imperative, the lease would probably not be obtained except for a very large sum.

20. The Ranger has done excellent work in the outturn of a large quantity of Sâl sleepers for the Madras Harbour Works. 7,336 Sâl sleepers aggregating 19,354 cubic feet were turned out and delivered at Gopalpore (sea coast) at a total cost of Rs. 8,975-12-0, and they realized Rs. 17,877 or annas 14-9 per cubic foot; the Harbour have paid Rs. 15,535 and Rs. 2,342 remain to be adjusted; there were also some small receipts from waste ends, &c., and the account stands as follows:—

Expenditure	... ...	Rs. 8,975 12 0
Receipts	... ...	„ 17,976 14 0
	Profit Rs.	9,001 2 0

21. Mr. Thorowgood, Superintendent of the Harbour Works, has written in the highest terms on the value of these Sâl sleepers; and it seems probable that

there may be further demands on these forests from other quarters. These forests might be indented on annually for 20,000 to 30,000 cubic feet without any danger of their being over-worked.

22. *Cuddapah.*—The Reserves in this Division were formerly classed as "Railway Fuel Reserves," but it is a misnomer, as it is only the timber in some portions near the Railway line that can ever be worked for that object at a profit; the greater portion of these tracts is Hill forest, and to all intents and purposes "Forest Reserves," and not Fuel tracts; their designation therefore will in future be "Forest Reserves" (vide para 3 of the Conservator's last Inspection Report recorded in G. O. No. 702 of the 21st June 1880.)

23. The Reserves have lately been surveyed by the Survey Department and maps are being published, their area is as follows :—

Letters.	No.	Names of Reserves.	Area in square miles.
A.	1	Balapalli No I.	9·86
B.	2	Do. No. II.	7·006
C.	3	Vacateecoonah	5·6
D.	4	Kodur Hill	7·32
E.	5	Yerraguntacottah	5·45
F.	6	Thunakondah	1·64
G.	7	Gathala	15 13
H.	8	Rollamadugu (Red Sanders Reserve)	8·48
I.	9	Rallakondah (do)	2·38
		Total...	62·87

24. During the year the Conservator and the Deputy Conservator selected 8 further Reserves as follows :—

Letters.	No.	Names of Reserves.	Area in square miles.
J.	10	Guddicottah	7·05
K.	11	Mudampaud	13·75
L.	12	Goovulchervu	33·25
M.	13	Do.	23·25
N.	14	Sullivandoa	12 35
O.	15	Mulliamkondah	13 75
P.	16	Nainapalle...	24·50
		The area is only approximate...	127·90

G. O. No. 702 of the 21st June 1880 reviewing the Conservator's Inspection Report of 1879-80 sanctions the formation of these Reserves and orders a Local Committee consisting of the Forest Officer and a Divisional Revenue Officer to meet at once and inquire into and record the existence of any rights of way, &c. (as per G. O. No. 1,612, dated 2nd August 1879, para 16), this is now receiving attention.

25. With the formation of these lately proposed Reserves there will be a reserved area of about 190 square miles in this District, and Forest Conservancy will be secured for the future.

26. The local Forest Officer and his subordinates are all of opinion that it will be impossible to thoroughly exclude cattle and fire from the Reserves until there is a Forest Act and better regulations as to grazing, trespass, &c.

27. 417 Red Sanders posts were sold for Rs. 1,175, and 1,575 tons of Red Sanders roots and stumps (the leavings of fellings before Conservancy was organized) realized Rs. 26,943-12-0.

28. *Kurnool.*—The forests of the Nullay Mullays are very extensive; there are no Reserves as yet in the strict sense, but some tracts are more or less reserved and the forests being remote from any market the question is not pressing.

29. No timber was felled departmentally except a very small quantity for the Gun Carriage Factory.

30. 560 maunds of Gall-nuts collected but not yet sold; the Collector's notes on the question of the Forest Peons interfering with the free collection by the Hill men has been referred to the Deputy Conservator for report.

31. *North Arcot.*—A Forest Reserve near Mamandoor, area 13·30 square miles, was sanctioned during the year (vide G. O. No. 1,798 of 30th August 1879), it is styled "the Napier Reserve," it will not be fenced or walled in, but a small tract within it abutting on the Railway line having an area of about 2 square miles and containing much Red Sanders is to be walled in and treated as a Red Sanders Reserve.

32. The general question of Reserves in this Division is receiving the attention of the Deputy Conservator, but it is doubtful whether much can be settled until the Reserve Commission visits the District.

33. *South Arcot.*—The question of Reserves was settled in this District by the Conservator and the Deputy Conservator, and all the tracts were indicated (vide Inspection Report recorded in G. O. No. 1,189 of 29th July 1878), but the question is in abeyance pending the visit of the Reserve Commission, as pointed out in para 16 of the Conservator's Annual Report for last year (not yet reviewed by Government); these Reserves might be constituted at once, and a Committee consisting of the Forest Officer, and a Revenue Officer might record all claims, rights of way, &c: it is not necessary to wait for the Forest Reserve Commission who will probably be occupied for another year or two in Salem, North Arcot, Coimbatore, &c., before they could possibly visit South Arcot.

34. Most of the tracts indicated are already treated as Reserves, though not officially declared such; there was a small expenditure on account of demarcation for the proposed Thenmallai Reserve (area 36 square miles) from which 400 maunds of Sandal-wood were collected and 67½ maunds of Gall-nuts, the total Revenue from these and minor products besides timber being Rs. 5,445. Mr. Wooldridge's report in this Section is far too elaborate.

35. *Madura.*—Major Walker and the Reserve Commission are at present engaged in marking out the Forest Reserves in this District, they anticipate that the work will be finished in September 1880.

36. The Survey Department have settled and demarcated the boundaries of all the Zemindari forests, which will immensely facilitate conservancy; there are several appeals against the decisions.

37. *Tinnevelly.*—The Reserve Commission have finished their work in this District, and all the proposed Reserves have been marked off, but their report is not yet to hand.

38. The boundaries of the Singampatti and other Zemindaries have been settled by the Survey Department, a most important matter.

39. *Trichinopoly.*—Reserves have been ordered on the Patchamallays (vide G. O. No. 512 of the 4th May 1880), and the Deputy Conservator has been requested to put himself under the orders of the Collector on the subject.

40. *North Coimbatore.*—Reserves in this District await the arrival of the Reserve Commission.

41. Mr. Peet, the Deputy Conservator (since proceeded on furlough to Europe), has generally indicated the tracts to be taken up for Sandal-wood Reserves in the hill tracts of Collegal, Sattiamangalam and Bhowani, a very sparsely inhabited tract of mountains between the Cauvery and the Nilgiris, and a Committee of the Forest Officer and a Revenue Officer assisted by Forest Subordinates are to

demarcate them as soon as possible, and the Collector proposes to put the work in hand next September.

42. The Reserves in other parts of this Division have all been indicated and laid before Government as pointed out in para 32 of the last Annual Report, and the work of recording claims, rights of way, &c., and subsequent demarcation might be carried on by a Committee of a Forest Officer and a Revenue Officer without waiting for the arrival of the Reserve Commission, who may be occupied for a year or more in Salem and North Arcot.

43. The Collector advocates License and Voucher felling as opposed to Departmental felling: much has, at different times, been written on the subject, and it is now felt that the whole question must be thoroughly gone into after the passing of a Forest Act, the formation of Reserves, and the introduction of stricter Rules. In the present condition of the Department License and Voucher felling is perhaps preferable, and is much cheaper, and unless there is to be an Act and stricter Conservancy and Forest Rules and Regulations intended to be acted up to, the Conservator would be inclined to recommend the universal adoption of the License and Voucher system; but with a Forest Act and Forest Reserves, the Conservator hopes to see only Departmental felling within the Reserves, and License and Voucher in the unreserved tracts.

44. The Government appeal against the decision in the District Court at Calicut giving the Attapadi forests (Eastern Watershed) to certain Malabar Nairs has not yet been settled, and the appeal of the Velleymallay Patnam Jaghirdar against a decision of the Survey Department antagonistic to his claims to certain tracts of the Bolumpatty forests is still undecided.

45. *South Coimbatore.*—The Reserves have been settled (vide para 8); the Deputy Conservator reports as follows with reference to the progress in their demarcation:—

"Reserve No. I."

"The line from Tekady slip to the foot of Kuchimalai and thence to the "newly repaired Colengode-Adivaram road was cleared by this Department, "and demarcated and surveyed by the Revenue Survey people. A trench was "cut from the end of this last line, the point marked B on the map, along the margin "of the Reserve, to the point where it crosses the Adivaram-Setoomadai road, "from this last point Cairns have been set up and jungle cleared as far as the foot "of Thairmallai, but the trench for this part has still to be cut as the excessive "hardness of the ground during the dry weather prevents such work being done "except at a disproportionate cost."

"The line through the forest from the top of Thairmallai post the brow of "Rathanu Sathi Thandu through Peruvoigundu, Umianmallai and Mavalugund "to Kalianapandal was cut, but has still to be burnt off. It is estimated that this "will cost Rs. 30, and the Ranger has been placed in funds to *enable* him to carry "out this portion of the work on the first favorable opportunity. The whole of "the work now mentioned has been done within the cost estimated for that "portion."

"Remaining to be done in No. I."

"The clearing of the line to the south from Kalianapandal to Pannimed "Kutti, the point of trijunction of Cochin, Travancore and Coimbatore, 4½ miles; "from Pannimed to Vengoli 18 miles; from Vengoli to Umianmallai 5 miles. "The fencing from Tekady slip to the Colengode road about 5 miles has also to "be done."

No. II Reserve.

"The line has been cleared all round this Reserve, and I believe the Revenue "Survey Department have demarcated and surveyed it, though I have no official "intimation of this. Work done within the estimate."

"*Remaining* to be done in this Reserve is the cutting of a trench round the "nunjah land of the Poonachi village."

No. III Reserve.

"This has been, where practicable, marked with cairns, but there has been no "time to do anything more to it. It is doubtful to me whether the line as "originally intended can be carried from Peyrat Malai to Pichi Malai and Pambu "Malai. This will have to be ascertained on personal inspection by some com-"petent Officer, and an estimate submitted hereafter."

46. The Reserved forests of the Anamallays were closed at the end of the official year, partly because they require rest (though there are still many magnificent and very large Teak trees, a portion of which could be available for any special indents of the Government), and partly because there is an immense stock of timber on hand, and little or no demand. The Deputy Conservator has been placed elsewhere, and a Sub-Assistant is now in charge with a greatly reduced establishment under the orders of the Officer of the Coimbatore Division; much remains to be done in getting out the timber, demarcation of the Reserves, collection of Hill produce, regulation of grazing dues, &c., but the Sub-Assistant is quite competent for this work; previous to the re-opening of the forest, which may not be for several years, the Teak tracts should be marked off into Blocks, and fire tracing should receive attention, but these operations will be greatly facilitated by an Act, in fact they could scarcely be done effectually or be of utility without one.

47. *Nilgiris.*—In the reserved forests of Mudumallai and part of Benni belonging to this Division felling of timber has been completely stopped, there is a large stock of timber lying undisposed of in those forests, and the Deputy Conservator has been ordered to effect a speedy sale.

48. The Mysore State Railway is, it is believed, using Birma Teak, but the Mudumallai Teak can be carted to Mysore at a small charge only, and should well be able to compete against Birma Teak, which in addition to transport from Birma must be sent to Bangalore by rail, and the Deputy Conservator has been ordered to proceed to Mysore to endeavour to effect sales.

49. The Deputy Conservator has sold a large quantity of Teak that was collected for the D. P. W. in the Ootacamund Timber Yard by public auction, the sales are reported to have been attended with good success. About 10,531 c. ft. of Teak being the contents of 458 logs were sold for Rs. 14,398.

50. In the Mudumallai Forests there are fine blackwood, Vengay and other jungle-wood trees; applications to remove them in small quantities, received from certain Mysore Merchants, were refused as it was supposed not to be safe to allow free access to petty removers of wood into valuable teak forests; the Deputy Conservator has been requested to devise some plan such as marking the trees so as to derive some revenue from this source, should he fail in getting responsible parties to take large contracts.

51. Owing to the transfer of the Trans-Benni Forest to Wynad and stoppage of felling in Mudumallai, there were great reductions in the strength of the subordinate establishment attached to these forests as also in Seegùr, where the Forester in charge was transferred to Wynad. The Deputy Conservator believes that the rest hitherto given to the Sandal-wood tracts of the Seegùr Forest is sufficient, and that felling operations may be resumed with advantage.

G O. No. 2,247, dated 5th December 1879.
G O No. 110, dated 29th January 1880.

52. All the remaining Forest land on the Nilgiris has now been reserved by Government,—vide the Government Orders as per margin.

53. *Salem.*—In this Division there are as yet no Reserved Forests in the strict sense of the term; they await the inspection of the Reserve Commission. Sandal-wood tracts (as per G. O. dated 21st March 1877, No. 1,172) to the extent of about 100 square miles are being demarcated in the Denkinacottah hill tract, but the work has been much retarded by sickness and death amongst the subordinates and surveyors who have been employed on the demarcation.

54. The Departmental felling of Acha timber in the Cauvery forests promises to be successful.

55. *South Canara.*—The Collector is still carrying on his investigations into proprietary claims in this District, and he has a large establishment employed on this work; the Conservator does not know when the report on this subject is likely to be submitted, or of what value the enquiry can be in the face of the orders of the Secretary of State (alluded to in the last annual report) that the Forests are not to be alienated.

56. The so-called "Harris Jungles" were decided to be Government property and their demarcation is being proceeded with, 25 miles having been demarcated during the year; but the Conservator much doubts the advisability of proceeding with this work until there are more definite orders as to what forests are to be considered Government property: the demarcation of a lesser area, which in future will probably be contained within a greater area to be considered Government property, is only a waste of money.

57. In the present doubtful state of affairs the Forest Ranger is left entirely under the orders of the Collector, the Conservator can of course issue no orders.

58. The Collector thinks that a Forest Officer should be posted to the Division; the Conservator is of opinion that a Ranger is quite sufficient whilst affairs remain in such an unsatisfactory state, and whilst there is no revenue and no chance of making any revenue.

59. The extension of the ruinous system of Kumeri and the felling of timber outside the usual Kumaki land (100 yards from all cultivation) has now been put a stop to, except in acknowledged private property, since the orders of the Secretary of State; but Mr. Cherry (Deputy Conservator) who joined the District for a short time informs the Conservator, that before the receipt of the orders from the Secretary of State and the orders of this Government (G. O. No. 1,187 of the 31st May 1879) large tracts of what had hitherto been treated as Government forest had been burnt for Kumeri cultivation, and that the Wurg holders have been felling large quantities of timber outside their Wurgs and Kumaki land and dragging and storing it within their properties and that this has gone on to such an extent that the market will be glutted for some years if they are allowed to sell it, it is to be hoped that the sale may not be allowed pending the final decision as to the rights of Government to the tracts in question, and the Collector has been addressed by the Conservator on the subject.

60. *Wynad.*—Demarcation of the Reserved tracts is in hand, but it is now delayed pending the arrival of the Survey Department as the lines get overgrown again so rapidly.

61. Departmental felling of ringed and dead Teak has been proceeded with.

62. *Palghat.*—The Chenat Nair Reserved forest was visited by both Major Walker and the Conservator during the year, the demarcation is in hand.

63. The subjoined abstract shows the quantity and value of timber and other produce felled or collected Departmentally as well as the particulars of sales and supplies during the past official year.

Description of Timber, &c.		Timber, &c., felled.				Timber, &c., sold.			
		Quantity.		Value.		Quantity.		Value.	
		1878-79.	1879-80.	1878-79.	1879-80.	1878-79.	1879-80.	1878-79.	1879-80.
				Rs.	Rs.			Rs.	Rs.
Teakwood	Cubic Feet ...	58,829	43,116	26,290	26,225	69,133½	30,435	74,144	35,723
	Logs or No. of.	...	...			...	19,844		19,593
	Saplings ...	...	16,950			...			
Ebony or Blackwood...	Cubic Feet ...	3,635¼	668	2,440	265	3,472¼	122	1,757	56
Rosewood	Do. ...	...	...	...	...	957	475	1,483	305
Sandalwood	Maunds ...	4,546	7,937	14,745	25,615	3,207	9,057	13,554	39,223
Redwood	lbs. ...	18¾		19,165	38,923	...	...	32,563	47,679
	Maunds ...	1,65,050	2,56,231			1,77,267	2,56,231		
	Posts, No. ...	25				...	...		
Other junglewood used as timber	Cubic Feet ..	57,716	60,861	31,516	38,718	56,364	62,612	36,219	36,473
	Saplings No...	29,003	502			12,601	...		
Railway fuel and firewood...	Tons ...	1,284	1,234	4,956	3,297	1,569½	1,422	11,083	6,578
	Cart-loads....	714	...			814	...		
Charcoal	Cart-loads.....	...	...	...	...	5	...	35	...
Bamboos	Cart-loads....	1,341¼	16	2,565	2,403	1,438	62	2,721	2,271
	Head-loads...	27	...			...	...		
	Ass-loads ...	...	...			210	...		
	Number ...	37,258	35,389			37,265	31,538		
Forest Produce ...	Maunds ...	3,143	2,311	4,198	3,549	2,782	2,795	6,864	6,061
	Tholams ...	7	237			...	90		
	Cart-loads.....	9	...			...	...		
	Total Rs...	...	...	1,05,875	1,38,995	...	...	1,80,423	1,93,962

64. From the above it will be observed, that the total valuation of timber, &c., felled and removed during the year has amounted to Rs. 1,38,995, which is greater than the value of fellings and removals of the previous year by Rs. 33,120. The increase is chiefly spread under Sandal-wood, Red-wood and Jungle-wood, as shewn in the margin.

	1878-79.	1879-80.	Difference.
Red-wood...	19,165	38,923	+ 19,758.
Jungle-wood ...	31,516	38,718	+ 7,202.
Sandal-wood ...	14,745	25,615	+ 10,870.

65. Redwood (Pterocarpus Santalinus) being in great demand in the English market as a dye, large quantities of roots and stumps have been collected and supplied to local merchants and firms upon their indents ; this is not felling, but only the removal of the old stumps and roots of Red-Sander trees felled and removed many years ago, when the article was only valued as timber.

66. Under Jungle-wood the increase is due to a large collection of Sâl sleepers having been made in the Gumsur and Suradah forests for supply to the Madras Harbour Works. The increase would have been greater if the value of Teak saplings erroneously added to that of jungle-wood in the accounts of 1878-79 be likewise included in the accounts of the past official year.

67. The quantity of Sandal-wood collected during the year has nearly doubled as the restriction placed upon felling of this product has been a little relaxed in certain sandal-wood Divisions.

68. *Sales and Supplies.*—The total collection realized during the past year by the sale of timber and other produce by Departmental Agency amounted to Rs. 1,93,962 and is greater than the revenue of 1878-79 by Rs. 13,539. The important variations are under the descriptions of Forest produce noted in the margin.

Teak	— Rs. 18,828.
Sandalwood	+ „ 25,669.
Redwood	+ „ 15,116.
Firewood	— „ 4,505.

69. The supply under Teak has diminished compared to that of 1878-79 by Rs. 18,828 which is chiefly due to the D. P. W. and other Public Departments not having taken timber as much as they did in the previous year from the Nilgiri

and South Coimbatore Divisions; it is partly due to the heavy curtailment of Public Works expenditure, in fact no timber was taken by the D. P. W. or the Gun Carriage Factory from the South Coimbatore Division.

70. The cause of increase under Sandal-wood and Redwood is self-evident as they are ever in great demand, and whatever quantity is collected finds a ready market at favorable prices.

71. The decrease of revenue under firewood is in the North Arcot and Nilgiri Divisions. No explanation was given by the Deputy Conservator of North Arcot for the decrease, but it is probably owing to less demand from the Railway; and in Nilgiris it is stated to be due to private competition whereby jungle-wood trees are largely supplied as firewood to the Ootacamund station, and which is preferred to the fuel from the Australian plantations.

72. SECTION II-B—*Fuel Reserves, Cuddapah.*—There are 7 Reserves in this Division with an aggregate area of 33,281 acres; these Reserves contain much Red Sanders, Thamba and other valuable trees which can never be used as fuel, and their reservation will in time develope a permanent supply of timber and firewood to the whole District, only small portions are near enough to the Railway line to be considered as Railway Fuel tracts, the greater bulk being Hill Forest, so they are henceforth to be treated as Forest Reserves, and have been mentioned in this report under Reserves, although they also appear in this section for this year.

73. During the year casualties in the Reserves were not as great as those of the preceding years, and the few that have occurred were caused by drought and the heavy gale of May last when many trees were blown down. It is satisfactory to learn that fire conservancy of these Reserves was successful, as only a few fires have occurred. Cattle trespass is reported to have been as frequent as ever in spite of the stringent orders of the Collector issued in the District Gazette, and the exertions of the Deputy Conservator and his establishment, and it will continue so until there is a Forest Act.

74. *North Arcot.*—The Mamandoor Reserve was fire-traced right round and divided into blocks. The growth in this Reserve is very fair and a large quantity of fuel can now be felled in it.

75. The Amboor Reserve (area 6 square miles) has been demarcated and surveyed. It was fire-traced during the year, but is not yet fenced; the Collector issued a notice in the District Gazette whereby cattle and persons were prohibited from entering it on any account without permission.

76. At the close of the year a contractor was permitted to supply fuel to the Railway from this Reserve, but only some 300 cart loads of wood were removed.

77. *South Arcot.*—There are 11 Reserves in this Division, of which 4 in the Trinomalai Taluq are really mixed Reserves, as they contain valuable timber trees. They are not yet surveyed.

78. The growth of trees is said to be good, and saplings are growing plentifully especially the Velvelam. It is reported that certain lands long under conservancy within the Gingee group of Reserves have by a decision of the Sub-Collector been given up in favor of some Inamdars and Puttahdars who claimed them. Their area being only 48 acres, it is advisable that they be bought by the Department or the claimants compensated by other fields of similar value elsewhere.

79. A few experimental plantings such as Redwood, Pithecolobium Saman, and Dalbergia Sissu are growing very satisfactorily. Bamboo seeds sown in 1873 are yielding good stems for building houses.

80. The Reserves were all fire-traced, and about 54,485 saplings were cleared of creepers.

81. The total expenditure on those Reserves amounts to Rs. 3,517 and the receipts therefrom have come up to Rs. 2,406. The results are very satisfactory.

82. *Madura.*—No. 1 Reserve of this Division known by the name of Goovanath or Sirumallai Reserve is not worth keeping up, as before reported, and will probably be abandoned; there has never been any expenditure on it.

83. The Ukkamakaradu and Kuppuramkuttu Reserves which are the Sub-Divisions of No. II Reserve were surveyed and fenced. The growth is reported to be favorable in them. The Deputy Conservator gives the present and prospective value of these Reserves as specified in the margin.

	Present.	Prospective.
A. Ukkamakaradu	Rs. 2,702	7,200.
B. Kuppuramkuttu	„ 4,147	11,520.

84. The other reserves of the Division noted in the margin have not been surveyed. It is said that their area has been over-estimated. The growth is very good and further investments made upon these Reserves will be amply recouped as they are conveniently situated for the supply of fuel to the South Indian Railway.

Reserve No. III. Iyalur. { A. Sundamallais. B. Thanikoradu.
No. IV. Karundamallais.

85. *Tinnevelly.*—No additions have been made to the existing number of tank bed Reserves of this Division. The contracts given in July 1878 for the removal of fuel from certain Reserves were brought to a close in 1879. Of the 34 tank bed Reserves 25 have been felled over. The results of felling operations have been very satisfactory, as expenditure on 15 of these Reserves was more than recouped.

86. The total revenue from the Reserves during the past year has amounted to Rs. 2,075, while the total expenditure has only been Rs. 260.

87. *Trichinopoly.*—There are six Reserves in this Division whose total area is 4,176 acres. Acacia Arabica forms the chief tree. Stocking in the hill reserves was not favorable owing to the state of the season having been inauspicious. The chief work was the repair of fences and replacing of casualties.

88. The total cost of up-keep of these Reserves during the past year has amounted to Rs. 773-0-0, whilst the total revenue which was collected from felling and thinning amounted to Rs. 752-0-0.

89. *North Coimbatore.*—The Sholakarray Reserve was fire-traced at a cost of Rs. 223-6-0, fire however entered the Reserve on the 10th March 1880, but was put out without much damage.

90. The Deputy Conservator proposes that the land lying to the West of the Sholakarray Reserve should be bought by Government to prevent smuggling, this was sometime ago suggested by Major Walker and referred to the Forest Officer by the Conservator for report as to whom the tract belonged and what price would purchase it, but these questions were not apparently enquired into; it is more than likely that the price asked would be prohibitory, but the question is under reference.

91. The other so-called Reserves of the Division known as the H. K. and M. Reserves situated along the Bhowany river have been Reserves in no sense of the word since they were thrown open to cattle by the late Collector who considered that Reserves could not be constituted as such without an Act and without compensation, &c.; the present Collector's views, it will be seen from his remarks, are different, but the treatment of these tracts may now await the decision of Government on the general question of Reserves within this District or the report of the Reserve Commission.

92. *Salem.*—In this Division there are 12 fuel Reserves. In the A or Vadugampatty reserve 115 acres of Jungles were marked out for felling and the total yield from the operations has amounted to 256 tons and 1,984 lbs.

93. *Palghaut.*—In this Division the Walliar is a close Reserve made up of two Sub-Divisions known as Poolampara and Warlapady blocks. The boundary of the Warlapady Reserve was demarcated during the year and the survey by the Revenue Survey Department is in progress, in fact completed except the filling in of details.

94. Fire-tracing successfully kept out fires during the year.

95. The revenue realized during the year was greater than that of 1878-79, owing to felling operations having commenced; there is much Teak in these Reserves which makes them valuable. Cattle were strictly excluded.

96. The total receipts and charges of these Reserves during the year are as shown in the margin.

Receipts	Rs. 1,731-6-1.
Charges	„ 566-9-3.

97. The subjoined abstract shows the total area of fuel reserves in each Division, their stocking, expenditure and receipts during and up to the end of the year.

Divisions.	Area in Acres.														Expenditure.			Receipts.		
	At the end of the year.							Equal to fully stocked.												
	Bare.	1/8.	2/8.	3/8.	4/8.	Full.	Total.	Bare.	1/8.	2/8.	3/8.	4/8.	Full.	Total.	In the year.	Up to the year.	Total.	In the Year.	Up to the year.	Total.
															Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Cuddapah ...	2,058	2,750	3,450	3,450	7,173	14,400	33,281	...	550	1,380	2,070	5,738	14,400	24,138	1,900	34,043	35,943	398	3,193	3,591
North Arcot	997	300	200	100	1,000	3,020	5,617	...	60	80	60	800	3,020	4,020	625	6,381	7,006	...	50	50
South Arcot	7,499	12,125	33,128	10,000	...	5,011	67,763	...	2,425	13,251 1/5	6,000	...	5,011	26,687 1/5	2,777	23,972	26,749	6,509	12,742	19,251
Trichinopoly	1,146	870	311	302	490	1,057	4,176	...	174	124 2/5	181 1/5	392	1,057	1,928 3/5	773	11,370	12,143	752	3,360	4,112
Madura ...	2,882	14,370	88	...	...	...	17,340	...	2,874	35 1/5	...	...	...	2,909 1/5	280	3,250	3,530	...	3,791	3,791
Tinnevelly...	4,121	...	...	1,230	...	404	5,755	...	...	...	738	...	404	1,142	260	11,400	11,660	2,075	10,625	12,700
North Coimbatore	...	...	...	13,170	...	...	13,170	...	...	...	7,902	...	...	7,902	564	17,974	18,538	...	4,279	4,279
Salem ...	1,819	2,600	1,994	1,752	1,610	1,511	11,286	...	520	797 3/5	1,051 1/5	1,288	1,511	5,167 4/5	1,858	28,283	30,141	889	6,304	7,193
Walliar ...	302 1/4	300	600	1,400	1,400	...	4,002 1/4	...	60	240	840	1,120	...	2,260	567	49,826	50,393	1,731	5,017	6,748
Total...	20,824 1/4	33,315	39,771	31,404	11,673	25,403	1,62,390 1/4	...	6,663	15,908 2/5	18,842 2/5	9,338	25,403	76,154 4/5	9,604	1,86,499	1,96,103	12,354	49,361	61,715

98. The total area of all the Reserves and their stocking are nearly the same as those of 1878-79, and the difference in expenditure is likewise too small to call for remark. Under receipts there is a net decrease of Rs. 2,005, which is chiefly in Cuddapah, where the supply of firewood from the Reserves has diminished as all the dead wood in the Reserves had been removed in the previous year.

	1878-79.	1879-80.
Total area ...	... 1,62,201¼	1,62,390¼
Total Stocking ...	73,891⅞	76,154⅞
Total Expenditure..	9,927	9,604
Total Receipts ...	14,359	12,354

99. SECTION II-C.—*Plantations*—The total number of plantations under conservancy during the past year amounted to 81, they are divided into four classes as noted in the margin.

	Number of acres.
1. Timber ...	3,813¼
2. Fuel ...	3,617½
3. Mixed ...	1,173
4. Experimental	90¼

100. The firewood plantations are generally situated in the Railway Districts in close contiguity to the line, as their creation was chiefly for supply of fuel to the Locomotives.

101. The Eucalyptus and Acacia plantations on the Nilgiris are partly intended for fuel and partly for timber, but it is anticipated that the demand for the former will always be great, whilst the latter is doubtful ; when treated as fuel the trees have to be cut over, when 5 or 6 years old, otherwise the growth from the stool would be doubtful.

102. The subjoined abstract shows the total area of planted acres according to class, the expenditure and receipts during and up to the end of the year.

Name.		Area planted.			Area according to Class.					Expenditure.			Receipts.			Remarks.
Division.	Range.	In the year.	Up to last year.	Total.	Timber.	Mixed.	Fire-wood.	Experimental.	Total.	In the year.	Up to last year.	Total.	In the year.	Up to last year.	Total.	
Ganjam	Gumsur and Surada ...	...	3½	3½	...	...	...	3½	3½	36	359	395	...	...	...	
Cuddapah ...	Cuddapah	6	676	982	...	...	932	50	982	383	43,447	43,830	26	449	475	
North Arcot ...	North Arcot	...	1,069⅛	1,069⅛	...	...	1,044⅛	25	1,069⅛	2,946	53,160	56,106	925	26,756	27,681	
South Arcot ...	South Arcot	...	583	583	...	...	571¼	11¾	583	900	38,960	39,860	325	908	1,233	
Trichinopoly ...	Trichinopoly	117¼	938¾	1,056	...	...	1,056	...	1,056	2,596	46,617	49,213	2,903	8,706	11,609	
Madura... ...	Madura	...	22	22	8⅓	...	13⅔	...	22	46	4,678	4,724	8	18	26	
N. Coimbatore...	Sathiamangalam	9	171¼	180¼	180¼	...	...	...	180¼	2,314	40,986	43,250	...	...	...	
	Collegal										*177	*177				
S. Coimbatore ...	Anamalai	...	19 1/20	19 1/20	19 1/20	...	...	...	19 1/20	207	4,115	4,322	...	...	...	
Nilgiris ...	Mudumalai	...	101	1,297	...	...	...	...	1,297	5,240	59,871	65,111	2,371	30,634	33,005	
	Seegur	...	23		124	...	...	...								
	Ootacamund and Coonoor.	60	1,113		...	1,173	...	...								
Salem	Salem	...	5	5	5	...	...	...	5	191	2,254	2,445	1	...	1	
S. Canara	S. Canara...	...	109	109	109	...	...	...	109	32	10,829	10,261	...	...	...	
Nelambur	Nelambur	...	3,368	3,368	3,368	...	...	...	3,368	21,525	345,639	367,164	25,072	182,439	207,511	
	Total...	192¼	8,502½	8,694 17/20	3,813½	1,173	3,617⅓	90½	8,694 17/20	36,416	650,442	686,858	31,631	249,910	281,541	

* Charges incurred on Ganday Plantation.

	Acres.
Cuddapah	6
Trichinopoly	117¼
N. Coimbatore ...	9
Nilgiris	60

103. From the above it will be observed that the total area planted during the year has amounted to 192¼ acres which is distributed in the Divisions noted in the margin, and is also greater than the area planted in 1878-79 by 110¼ acres.

	Expenditure.
1878-79 ...	Rs. 21,710
1879-80 ...	„ 36,416

104. The total expenditure on all the plantations during the year compared with that of 1878-79 shows an increase of Rs. 14,706 which is in Nelambur where floating of saplings and thinning operations, which are debited to this head, were carried on a large scale during the year besides clearing for and planting out Mahogany and the newly introduced Rubber trees (Ceara and Hevea).

105. Under receipts there is a falling off compared with those of 1878-79. It is due to depressed state of Timber trade in Bombay and elsewhere.

106. *Cuddapah.*—There are five plantations in this Division, one timber and the rest fuel; the timber or Red-Sanders plantation is a success, but extension is not required, now that the Department have Red-Sanders Reserves; the fuel plantations are failures.

107. The total expenditure on all the plantations of the Division during the past year amounts to Rs. 383-0-0 against the total receipts of Rs. 26-0-0.

108. During the year the Ooperapully and Codoor plantations were surveyed. The Ceara rubber seeds sent to this Division have not germinated as yet, but they are still reported to be sound and hard.

109. *North Arcot.*—The Deputy Conservator reports that the planting season of 1879-80 was unfavorable for Casuarina planting, instead of a good North-East monsoon there were only occasional showers.

110. Casuarina planting pays well when there are favorable seasons for planting out and should be persevered in.

111. *South Arcot.*—The plantations in this Division are chiefly Casuarina. They are 7 in number by grouping Trivenellore, Yadayar, Andrayanur, Gramum and Kanarambut as one plantation under the name of Mullatur plantation. The total planted area amounts to 583 acres. Their general condition is reported to be good, and much improved since 1878-79. Nothing but up-keep of these plantations was allowed during the year except small repairs to fences. The total expenditure amounted to Rupees 900.

112. *Trichinopoly.*—There are 17 plantations in this Division, which are chiefly intended for Railway fuel. The total area is 2,011¼ acres of which the area planted up to the end of 1879-80 is nearly 50 per cent. During the year 117¼ acres were planted chiefly with Acacia Arabica and Casuarina, the fences were repaired, wells deepened or dug and seedlings transplanted partly to replace casualties and partly to stock bare places. The working expenses during the year amounted to Rs. 2,596 against the revenue of Rs. 2,903 which was realized from the sale of thinnings of older plantations.

113. Under the orders of the Board of Revenue all the plantations on the river and channel banks supervised by the D. P. W. Officers were transferred to this Department and the Forest Officer has been taking over charge of them.

114. The Deputy Conservator reports that smuggling in the jungle conservancy plantations transferred to this Department as per G. O., dated 12th June 1878, No. 893, is said to be carried on in a large scale owing to the proximity of the Udayarpoliam Zemindary jungles, the lease of which is difficult to obtain.

115. Owing to much timber being felled on all puttah lands for sale to the Railway as fuel, fair prices are not obtainable for the wood from the Government plantations; the consequence of this is that the plantations are not likely to recoup expenditure, and the District generally will be denuded of trees in the vicinity of the Railway, the prevention of which was the chief object of inaugurating the plantations; it is necessary however to cut and sell the plantation trees as if left to grow beyond a certain age and girth, their regrowth from Coppice would be uncer-

tain and not remunerative, a contract therefore has been entered into to supply wood at Rs. 3 per ton, which it is feared will scarcely pay.

116. Felling has commenced, but as yet it has only been from thinnings in different plantations ; as soon as the survey of the plantations is completed and they have been portioned off into Blocks, a certain area should be clean felled over each year in rotation.

117. *Madura.*—There are three small plantations in this Division. The growth of Teak in the Vanathiparai plantation is reported to be healthy, though slow. No extension is contemplated, as the success is very doubtful and the expenditure is reduced to a minimum.

118. *North Coimbatore.*—There are two Sandal-wood plantations in this Division. The Tallamalay Sandal-wood plantation is a failure, the one at Bylur shows very good growth but extension is not contemplated if Sandal-wood Reserves can be successfully formed.

119. *South Coimbatore.*—The three small Teak plantations aggregating a total area of 19·5 acres were conserved during the year by clearing of undergrowth at a cost of Rs. 206-12-0, but fire is nevertheless reported to have entered them and done damage, which must have been caused by great carelessness if the clearing expenditure was properly laid out.

120. In the heart of a large natural Teak forest they are scarcely worth keeping up as a plantation with a separate expenditure and the Conservator has ordered no further expenditure in connection with them beyond a few rupees for fire-tracing.

121. *Nilgiris.*—There are two teak, one Sandalwood and twenty-five Eucalyptus and Acacia plantations in this Division. Expenditure was reduced to a minimum except in the Australian plantations on the Hills, where the Government in their Order, dated 6th September 1878, R. D., directed extended planting of Eucalyptus Globulus.

122. The Mudumallai and Benni teak plantations were fire-traced and pruned. The growth is not satisfactory.

123. The Sembrageddy sandalwood plantation in Seegur was fire-traced and watched at a cost of Rs. 280.

Aramby	Rs.	91	12	0
Governor's Shola	„	318	12	0
Madana ...	... „	455	0	0
Norwood ...	... „	184	14	0
Baikie ...	... „	97	8	0
	Total Rs	1,147	14	0

124. Of the Australian plantations near Ootacamund the marginally noted ones were either thinned or felled for firewood and the total revenue therefrom amounted to Rs. 1,147-14-0.

125. All the plantations were fire-traced and roads repaired wherever necessary. The Buthree and Koolie Plantations were also extended by planting Eucalyptus Globulus.

126. A new plantation called Chennagule was formed during the year and about 36 acres of undergrowth were cleared and 39,200 pits dug and planted. There were heavy casualties in it as the site is much exposed to wind and frost. Trespass of Toda buffaloes is frequent and could not be easily prevented as they are wild and savage. The total expenditure on this plantation has amounted to Rs. 1,823-10-3.

127. The receipts derived from the plantations on the Wellington and Coonoor sides were small except in the "Old Forest" where 685 cart loads of firewood and some poles were felled and sold for Rs. 1,158-0-0. These plantations were weeded and fire-traced wherever necessary.

128. *Salem.*—The Kanavenagasamudram sandal-wood plantation, which is situated on the Mailagherry Hills at an elevation of 3,250 feet, has been watched and watered. 277 casualties were replaced. The total cost during the year for the up-keep of this plantation has amounted to Rs. 191.

129. *South Canara.*—The Parappa Teak plantation which is the only one in this Division covers an area of 109 acres, and contains a little over a lac of trees averaging from 2 to 3 feet in girth. The trees are looking well. The proprietary claim which was adverted to in the last report has not yet been settled. Further expenditure on this plantation beyond mere up-keep is not warranted pending settlement.

130. *Nelambur.*—This Division contains the largest teak plantation in the Presidency, and it extends over an area of 3,436 acres interspersed with about 80,000 natural grown black-wood trees. During the year 2,536 acres were weeded and 1,087 acres pruned.

131. The Collector has issued stringent orders for the prevention of fires and several paths have been closed or diverted in consequence of the 2 fires which occurred last year, there were no fires during the year now under report.

132. SECTION III.—*License and Voucher System.*—The subjoined abstract will show the quantity and value of Timber, &c., removed during the year under this system compared with the results of 1878-79.

Description of Timber and other Produce.	Measurement or Quantity.	Quantity.		Amount realized.	
		1878-79.	1879-80.	1878-79	1879-80.
				RS.	RS.
Teak	Trees ..	22	...	110	...
	Cart loads ...	...	...		
Blackwood	Trees ...	7	2	35	10
	Cubic feet ..	...	..		
Other Junglewood	Cubic feet ...	2,12,737½	3,14,535	47,250	51,635
	Trees ...	240	...		
	Bandy load .	...	1,399		
	Posts ...	356	...		
Firewood and Railway fuel ...	Tons ...	47,711	33,609½	72,693	32,861
	Cart loads ...	2,813¼	...		21,662
Charcoal	Tons ...	2,295	3,329½	7,912	10,180
	Parahs ..	...	...		
	Cart loads .	...	...		
	Head loads ..	..	610		
Bamboos	Cart loads ...	40,578	46,838	24,557	34,153
	Number ...	251	3,036		
	Ass loads ...	..	...		
	Head loads ...	...	199		
Forest produce	Maunds ...	...	1,48,846	27,048	23,524
	Cart loads ..	52,901	228		
	Head loads ..	...	401		
Total Rs ...	...	...	...	1,79,605	1,74,025

133. From the above it will be observed that the total value of Timber, &c., removed during the year is nearly the same as that of the preceding year, although there are some important differences under firewood and bamboos as shown in the margin.

Firewood — 18,170
Bamboos + 9,596.

134 The decrease under firewood is chiefly in Cuddapah where only 5,203 tons of Engine fuel were supplied during the year to the Madras Railway Company against 11,627 tons supplied from the Division in the previous year. This heavy decrease is partly due to decrease of traffic on the line, and partly to owners and lessees of private jungles having obtained the contracts of supplying fuel to the Railway Company.

135. The increase under bamboos is chiefly spread in the Divisions noted in the margin. In North Arcot large quantities of bamboos were removed on license on account of the great demand that there is for this produce in Madras besides which small blocks

North Arcot +3,917.
North Coimbatore +2,085.

of jungles are farmed out to private contractors to facilitate the collection of a large revenue from this produce.

136. The increase in North Coimbatore is not fully explained but it is stated that improvement in the revenue under this head as well as from other products removed under License System is due to greater care of the supervising establishments.

137. *Kurnool.*—The Forest Officer complains of the system which allows of the issue of Licenses by Reddies and Kurnams of villages, the question was fully reported on in para 132 of the last Annual Report; the Collector proposes some further check in the form of the License and the days of issue, &c., which the Deputy Conservator has now been ordered to introduce pending any further reconsideration of the question generally after the introduction of the Act, but the Conservator is still of opinion that Licenses should only be issued by Deputy Tahsildars, Tahsildars and Divisional Revenue Officers, &c. The lower paid Revenue Officials are often timber merchants themselves or intimately connected with them, and are not to be trusted besides getting a considerable percentage from the Department for issuing the Licenses, it is feared they take every opportunity of defrauding it.

138. SECTION IV.—*Yield of Forests.*—This section is intended to show what quantities of timber and other forest produce have been removed during the year under Departmental working, License, and Voucher system, and on free pass. The subjoined abstract exhibits all the particulars.

Description of timber and other produce.	Measurement or quantity.	Quantity removed.					
		By Departmental Agency.		On License.		On Free Pass.	
		1878-79	1879-80.	1878-79	1879-80.	1878-79.	1879-80.
Timbers	Cubic feet ...	120,180 7/10	105,147	212,737½	305,908	69,123	38,870 11/16
	Posts No. ...	25	417	356	2,067	...	
	Logs ...	3	...	...	2		...
	Sleepers ...	...	...	...	No. 1,191	H.L. 886	...
	Trees ...	...	...	269	2	35	73
	Maunds ...	165,050	264,168	...	H.L. 187	.	H.L 382
	Cart loads ..	lbs. 18¾	...	...	1,399	...	2,235
Firewood and Railway fuel	Cart loads .	714	...	2,313½	...	6,903	H.L. 319
	Tons ...	1,284⅞	1,234	47,711	33,609½	2,036¼	C.L. 6,954¾ 5,062 7/32
Saplings	Number ...	20,003	16,950	...	.	.	...
Bamboos ...	Cart loads ...	1,311¼	16	40,578	46,838	4,185¾	.
	Head loads ...	27	..	...	199	...	B L. 2,834 3/7
	Number ...	37,258	35,389	251	3,036	11,950	..
Charcoal	Tons ...	...	...	2,295	3,329½	...	...
Forest Produce ...	Maunds ..	3,113	2,311	...	H.L. 610 148,846	...	..
	lbs. ...	7	Tholas 237 Kottays 46 lbs. 124 Bots. 118	...	B L. 228	...	...
	Cart loads ...	9	Seers 1,916	52,901	H.L. 401	...	...

139. The variations under Departmental working and License system have been explained under Sections II and III, and do not therefore call for remark. Under free pass system the total removals show a decrease which the Conservator believes to be due to more restriction having been placed upon the issue of free passes which is regulated with reference to recent orders of Government according to actual requirements of ryots.

140. SECTION V.—*Financial Results.*—The financial results of the Department end in a small surplus of Rs. 1,996 in favor of the Department and it is about 5 per cent only of the surplus of the preceding year as shown in the margin. The total receipts realized during the year are nearly the same as those of 1878-79, but under total charges there is a net increase of Rs. 37,579 which is chiefly under A—Conservancy and Works, and it is due to expenditure on demarcation, and Reserves which yield no immediate profit, and large expenditure on account of felling and supplying salwood timber for the Harbour Works and collecting red-wood stumps and roots which has shown immediate profit. Under "buildings" there is an increase of Rs. 8,171 which is due to the purchase of a bungalow in Gumsur, the erection of a Forest Office and bungalow in Nundyal and one in Nelambur.

	1878-79	1879-80
Receipts	3,83,878	3,83,224
Expenditure.		
A. Conservancy and Works ...	3,43,789	3,81,228
B. Establishments		
	40,089	1,996

	A Conservancy & Works.	B Establishments.
1878-79	1,24,337	2,19,452
1879-80	1,63,367	2,17,861
	+ 39,030	— 1,591

Gumsur	1,000.
Kurnool	5,400.
Nelambur	1,400.

141. Under B—Establishments and Contingencies the net difference is very small compared with the figures of the preceding year and need not therefore be explained.

142. The subjoined abstract shows the receipts and charges of the Department during the year under review :—

Head.	Receipts.	Amount.	Head.	Expenditure.	Amount.
		RS.		*A—Conservancy & Works.*	RS.
I.	Timber and other produce removed from the Forests by Government Agency—		I.	Timber and other produce removed from the Forests by Government Agency—	
	(a) Timber...	1,39,722		(a) Timber	67,562
	(b) Firewood and Charcoal ...	6,552		(b) Firewood and Charcoal ...	3,965
	(c) Bamboos	2,240		(c) Bamboos	2,042
	(d) Sandalwood	39,223		(d) Sandalwood	5,474
	(e) Grass and other minor produce	6,061		(e) Grass and other minor produce..	3,230
II.	Timber and other produce removed from the Forests by consumers or purchasers—		II.	Timber and other produce removed from the Forests by consumers, &c.	7,882
	(a) Timber	51,645	III.	Confiscated Drift and Waif-wood ...	1,510
	(b) Firewood and Charcoal ...	67,233	IV.	Revenue from Forests not managed by Government.	
	(c) Bamboos	34,153	V.	Rent of leased Forests and payments to shareholders in Forests managed by Government	4,595
	(d) Grazing and fodder grass ...	3,124	VI.	Live and Dead Stock—	
	(e) Other minor produce... ...	23,429		(a) Purchase of Cattle	
III.	Confiscated Drift and Waif-wood ...	3,631		(b) Feed and keep of Cattle ...	5,685
IV.	Revenue from Forests not managed by Government—			(c) Plants, Tools and Instruments.	947
V.	Miscellaneous—		VII.	Communication and Buildings—	
	(a) Fines and forfeitures... ...	311		(a) Roads and Bridges	3,769
	(b) Refunds	2,101		(b) Buildings	10,804
	(c) Other sources	3,799		(c) Other works	707
			VIII.	Demarcation, improvement, and extension of Forests—	
				(a) Demarcation	5,211
				(b) Compensation for land and rights	100
				(c) Surveys and working plants ...	1,486
				(d) Plantation	20,664
				(e) Protection from Fire	5,623
				(f) Other works	10,300
			IX.	Miscellaneous—	
				(a) Refunds	1,400
				(b) Law charges	18
				(c) Other charges	398
				Total of A—Conservancy and Works...	1,63,367
				Total of B—Establishments	2,17,861
	Total Receipts ...	3,83,224		Grand Total of all Expenditure ...	3,81,228

143. In para 27 of the Board's Proceedings, dated 1st November 1879, No. 3094, the Board state that the apportionment of fixed establishment charges

as hitherto shown is inaccurate and add that "it would probably be impossible to ascertain even approximately the amount of cost of supervision justly debitable to each field of operations." The Conservator will, therefore, omit the apportionment of the establishment charges for the year under review. He believes that, if Divisional Officers be called upon to apportion the establishment charges of their respective Divisions by dividing the total charges into executive and direction, and debiting the heads noted in the margin first with the establishments placed in charge (executive) and then apportion the direction in which is included the pay and allowance of the Officer in charge and his office establishment according to the time spent or work done upon each field operations, a fair debit of the Divisional establishment charges will be arrived at. Then it will be easy for the Conservator to apportion his pay and allowances as well as those of his personal staff to each division and the total apportioned charges will be the nearest correct figure upon which the financial results of the Department will be easily and correctly worked. Should the Board and Government approve of these suggestions, the Conservator will take steps to instruct Divisional Officers to abide by them.

1. Departmental working of forests inclusive of cost of conservancy, survey, demarcation, roads, buildings, &c., constructed in them.
2. Working of forests under license system, inclusive of conservancy, demarcation, roads, &c.
3. Conservancy and extension of Plantations and fuel Reserves inclusive of Survey, demarcation, roads, buildings &c., as also charges of felling and pruning, &c.
4. Miscellaneous charges not directly debitable to any of those three heads such as, Office, buildings, collection of specimens, &c.

144. The net results of the Department taking the increase or decrease of value of stock on hand in each division are not satisfactory, and the subjoined abstract will show the particulars thereof:—

Divisions.	Working charges.	Establishment and contingencies.	Total Cost.	Receipts.	Difference.	Add Increase or Decrease of Stock.	Net Results.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Central Office ...	...	44,165	44,165	...	—44,165	...	—44,154
Goomsur & Suradah.	10,144	2,846	12,990	19,651	+ 6,661	+ 2,177	+ 8,838
Bhadrachalam ...	733	1,874	2,607	17,184	+14,577	...	+14,577
Cuddapah	14,003	13,833	27,836	53,824	+25,988	— 165	+25,823
Kurnool	6,514	11,362	17,876	13,634	— 4,242	+ 282	— 3,960
North Arcot ...	18,847	11,406	30,253	39,815	+ 9,562	+ 153	+ 9,715
South Arcot ...	10,661	10,098	20,759	10,214	—10,545	— 2,156	—12,701
Trichinopoly ...	3,371	2,590	5,961	3,752	— 2,209	...	— 2,209
Madura	2,887	12,206	15,093	16,608	+ 1,515	— 2,270	— 755
Tinnevelly ...	12,391	18,632	31,023	21,834	— 9,189	+ 2,800	— 6,389
North Coimbatore.	13,449	17,407	30,856	44,331	+13,475	— 2,391	+11,084
South do. ...	18,738	12,588	31,326	9,388	—21,938	— 3,033	—24,971
Nilgiris	15,190	16,596	31,786	29,491	— 2,295	—19,712	—22,007
Salem	6,382	13,977	20,359	65,946	+45,587	— 6,019	+39,568
South Canara ...	2,227	4,986	7,213	1,674	— 5,539	— 5,923	—11,462
Wynad...	3,715	11,797	15,512	7,076	— 8,436	+ 5,121	— 3,315
Nolambur ...	21,905	9,924	31,829	24,932	— 6,897	— 6,150	—13,047
Palghat	2,210	1,574	3,784	3,870	+ 86	— 3,659	— 3,573
Total...	1,63,367	2,17,861	3,81,228	3,83,224	+ 1,996	—40,945	—38,949

145. From the above it will be observed that the net financial results of the Department have ended in a large deficit, but it must be remembered that the receipts and charges of plantations and fuel reserves upon which large sums of money are being spent are not excluded. Another feature which has tended to swell the deficit is the decrease in the valuation of timber stock in the Divisions noted in the margin.

South Coimbatore ...	3,033
Nilgiris	19,712
Salem	6,023
South Canara ...	5,923
Nelambur	6,150

146. In South Coimbatore Mr. Williams has entered as decrease in the valuation of timber on stock the enormous amount of about 50,000 Rupees; this cannot be accepted without further enquiry which is now being instituted, and a special report to Government; the deficiency is stated by the Deputy Conservator to be due to the value of deteriorated and weather-worn timber and also other quantity

entered in previous years' accounts being much in excess of actual measurements. The Deputy Conservator was called upon for further explanation, but it has not been submitted; but his calculations are based on a list of timber in depôts lately drawn up which it is believed is incorrect and carelessly made, and it is not anticipated that the deficiency can be anything like the amount proposed.

147. The decrease in the Nilgiri Division is due to a large quantity of old stock in the Ooty timber-yard which is the balance of timber stored there for supply to Department of Public Works having been cleared away by public auction at lesser prices than the valuation rates.

148. In South Canara a large quantity of old timber was similarly disposed of at a sacrifice, sales having for some years been disallowed as it was thought the timber might be claimed by the parties who were invited to set up claims to the Forests and in the meantime the timber had greatly deteriorated, in fact much is quite unsaleable.

149. In Salem and Nelambur the decrease is not explained.

150. This great deterioration in stock proves that there should be no Departmental felling unless the timber be first indented for, or unless there is a certainty of an immediate sale and strict orders have been issued on this subject.

151. SECTION VI.—*General Remarks. Gumsur.*—The Division has been in charge of Forest Ranger Mr. Dampier. A very good bungalow at Russelcondah was purchased for Rs. 1,000 which is now the Office and residence of the Forest Ranger.

152. The health of the establishment suffered a little from jungle fever.

153. The question of raising the seignorage rates of timber and other produce removed under the license system and the strengthening of the Subordinate Establishment await the orders of Government.

154. *Cuddapah.*—As the jungles of certain Agraharamdars have been supplying fuel largely to the Railway Company, the Forest Revenue under this head has much diminished and the budget estimates were seriously affected.

155. The large quantities of roots and stumps of Red sanders now being collected throughout these forests prove how exhaustive the felling of this valuable tree was in former years, there are very few mature trees now fit to yield the posts so much in demand for native temples and houses, but under Conservancy vast quantities are coming on for the future.

156. It is the same with the second most valuable timber in these forests, the thumba(Shorea Tambagaia); there are very few good sized trees left, vast quantities are however maturing under Conservancy.

157. The red-wood alone in these forests will always amply cover all expenditure on Conservancy, &c.

158. During the current year the Stationery Department have supplied all Public Departments with red-wood powder for the preparation of red ink.

159. From the Statistics of import accounts into Madras published in the Fort St. George Gazette it is clear that the quantities of this product sent to market far exceed anything collected or felled by the agency of this Department, and it is feared that much smuggling must be carried on, the proximity of several small tracts of private forests and the want of any system of pass-ports greatly facilitate smuggling from the Government tracts, and smuggling can only be held in check by a Forest Act.

160. *Kurnool.*—The Collector remarks that a correspondence has passed between his Office and that of the Deputy Conservator on the subject of only allowing dead wood to be removed by ryots for fuel, and prohibiting the felling of green wood; on this point reference however being made to the Conservator's Office the Deputy Conservator was ordered to allow the felling of green wood.

161. The Collector suggests certain checks and registers to be kept with reference to the free-pass system and the Deputy Conservator has been ordered by the Conservator to introduce them and to report how they work.

162. Mr. Brougham was deputed to inspect some of the Kistna forests adjoining his own Division, but he did not start for this purpose till after the close of the official year ; so he should have written the annual report himself and not have left it to his Ranger which he appears to have done.

163. Rupees 5,400 were paid to the Engineer's Department for the erection of the Forest Office and bungalow which building does not even appear to have been commenced.

164. The health of the Establishments has been severely tested. 3 Forest guards are reported to have succumbed to fever.

165. *North Arcot.*—During the year the Deputy Conservator recleared the boundary line round the block of jungle given over to the Triputty temple authorities, and demarcated and surveyed 7 of the principal Theerthums (holy fountains) in the Government forest adjoining the temple block at their cost.

166. The marking of the Javady hill boundary by the erection of stone cairns between Salem and South Arcot was completed during the year.

167. Mr. Sheffield reports that the forests of Kangundy and Karvatinuggar Zamindaries have been personally inspected by him on the request of the Collector. The forests within 10 miles of the railway have been almost destroyed. Measures should be taken under the Forest Act for reservation of the Kangundy tracts as they protect the head waters of the Palar river, it is believed that these jungles which are almost entirely composed of Albizzia amara (thurinjee) rapidly renew themselves, but if the river is likely to be affected they should not again be deforested.

168. The Conservator's Inspection Report on this Division for 1878-79 was published in G. O. 1,798 of 30th August 1879.

169. *South Arcot.*—The Kulroyen Jaghire boundary dispute has not yet been settled and the slopes are being deforested. The Collector states that he has been in correspondence with the Superintendent of Survey about the survey of the Kulroyen Hills as the work has been long delayed. He has finally called upon the Deputy Superintendent to report when the work so long deferred is likely to be carried out.

170. Owing to probable delay in the arrival of the Reserve commission and to deterioration for want of special treatment many blocks of poramboke jungles were marked off, and watchers paid from Jungle Conservancy Fund are placed in charge.

171. *Trichinopoly.*—Mr. Hadfield took charge on the 3rd of February, Mr. Gass having the superintendence of these plantations in addition to the Madura Division, whilst Mr. Hadfield was acting for Mr. Hayne in Tinnevelly.

172. *Madura.*—Mr. Gass had also charge of Trichinopoly till the 3rd of February.

173. Mr. Gass reports that fires entered the forests and caused damage.

174. *Tinnevelly.*—Mr. Hadfield was in charge till the 31st of October, Mr. Hayne being employed in the Tinnevelly and Travancore boundary work.

175. The demarcation of the Tinnevelly and Travancore boundary was completed during the year. The work was commenced from the northern limits of Shencottah and carried on to the Tinnevelly, Madura and Travancore tri-junction near Pulvarungum Peak. The distance of the boundary was 43 miles and its cost amounted to Rupees 5,991-0-0.

1. Singumputty case.
2. The Singumputty and Aladiyoor case.
3. The Vairamankolam Mettah case
4. The Chokampatty Mettah case.
5. The Thirumalaynaicken Pudukudy Mettah case.
6. The Chockampatty Tirumalainaickenpudy case
7. The case of Inamdar of Chumakudu of Kambanery Mettah
8. The Vallam Mettah case.
9. The Sivagherry Vasudeva Nullur case
10. The Sivagherry Settur case.
11. The Settur Kollun Goundan case.

176. The demarcation of the various disputed boundaries between certain Zemin hill forests and Government tracts were settled by Mr. Baber during the year. The marginally noted cases, except 6 and 9, are those that came under settlement.

177. Under the orders of Government the Forest Committee assembled in November 1879 to mark out reserves in this district. One continuous line was marked out with cairns from south to north and the whole area divided into five reserves; the report of the Committee however has not yet been submitted.

178. The fact of Mr. Hayne's pay and extra travelling allowances whilst engaged in the Travancore boundary being debited against this Forest Division whilst another officer was in charge, and the expenditure connected with the Reserve Commission which is extraordinary, have caused a considerable deficit against this Forest Division.

179. The demarcation of the Kattalay Mullay was completed.

180. *South Coimbatore.*—The Anamallay forests have been closed against felling operations, they now cease for a time to be a Forest Division and instead of being styled South Coimbatore Division they became the Anamallay Range superintended by a Sub-Assistant Conservator under the Divisional Officer of Coimbatore.

181. *North Coimbatore.*—This Division now becomes "the Coimbatore Division."

182. The timber market having been glutted by the influx of large quantities of timber cut in tracts supposed to belong to Malabar proprietors, there has been little or no sale for the Government timber.

183. With reference to G. Os. dated 5th April 1879, No. 794, and 6th April 1880, No. 412, the site of the Mailconda cinchona plantation was transferred to the Forest Department; it is not proposed to attempt to plant this tract artificially; it will be left to nature to revert to jungle, being an exposed bleak site and very inaccessible, and a portion of a large tract of high level forest protecting some of the sources of the Bhavani river.

184. *Wynaad.*—The Government have passed no orders on the Conservator's last Inspection Report submitted on the 9th of January 1880 and published in the Proceedings of the Board, No. 442, on the 3rd of April 1880.

185. Unless the Goondry Depôt situated within Mysore territory can be re-opened there appears to be no chance of selling any of the teak from these forests. This depôt was closed on the recommendation of Major C. Walker when Acting Conservator as he anticipated a market at Tellicherry or Cannanore, but there is absolutely no market for the timber in either of the places and it is too expensive to attempt to send it to Calicut.

186. The Mysore country must be looked to as the market for these forests, but nothing can be done without a depôt on the river.

187. These are very valuable teak forests and will probably at some future date yield a large revenue to Government, but just at present there is little or no demand for the teak or other timber as the adjoining Mysore forests can supply all that is required at a cheaper rate being nearer the market, there is therefore little chance that these forests can cover expenditure and they should shortly be closed for a period; it is now necessary that the demarcation should be concluded and that they should be surveyed, and it is also advisable that all the old ringed, and dead teak trees should be removed, but this being accomplished a Deputy Conservator is scarcely required and they might be placed under a Sub-Assistant until it be advisable to work them again.

188. The health of the establishments is reported to have been very bad during the year. Mr. Brightriter a German Ranger and the Chedleth Gumastah died of fever.

189. The conduct of the Subordinates is reported to be very bad and the Deputy Conservator gives a most deplorable account of the status of his lower subordinates such as Guards and Peons, he has been informed that he is responsible for the status of his Department and that men known as bad characters should not be entertained, or if they have been entertained they should be discharged.

190. *Nelambur.—Mahogany.*—A great many of the Mahogany seedlings died off during the hot weather and it is evident that whilst in their infancy they require the shade of other trees; they were besides planted a great deal too late which could not be helped.

191. The latest accounts (up to the setting in of the monsoon when further casualties would not occur) state that 550 seedlings survive out of the 1,040 planted out in October and that these promise well.

192. 4,000 seedlings from the nursery beds and 134 seedlings in baskets have been also planted out this June, so that the experiment is fairly successful although the seed did not arrive at the right time.

193. *Ceara Rubber.*—This tree (Manihot glazovii) may now be said to be fairly established, the larger of the introduced plants are 18, 19 and 21 feet high and 10 to 12 inches in girth; the growth is superb.

194. Of the 200 seeds received from Ceylon 40 have germinated after the testa was filed away and these are growing rapidly.

195. *Hevea Rubber.*—This tree Hevea Braziliensis is also well established and shows superb growth, the larger plants are about 10 feet high and 4½ inches in girth.

196. *Castilloa Rubber.*—Of the Castilloa elastica there are 4 young plants as yet very small, the climate of Nelambur will probably be too dry for this valuable tree; the Conservator has therefore selected a site on the ghat slopes which the Collector has been requested to reserve.

197. *Criminal prosecutions.*—Under this head all forest offences relating to timber smuggling, trespass, &c., are treated, and the subjoined abstract shows the

number of cases or persons prosecuted, convicted and punished in each Division during the year :—

DIVISION.	Prosecuted.		Convicted.		Dismissed.	
	Total No. of cases.	No. of persons.	No. of cases.	No. of persons.	No. of cases.	No. of persons.
Gumsur and Surudah	1	10	1	4	...	6
Cuddapah	20	89	20	73	...	16
Kurnool	40	103	30	75	10	28
North Arcot	7	13	4	4	3	9
South Arcot	4	12	4	11	...	1
Madura	77	360	75	318	2	42
Tinnevelly	129	786	113	614	16	172
Nilgiris	7	35	7	29	...	6
Salem	72	...	48	...	24	...
Palghaut	...	3	...	3	...	...
Total...	357	1,411	302	1,131	55	280

198. From the above it will be observed that the largest number of cases appear in Kurnool, Madura, Tinnevelly and Salem. In Tinnevelly the total number of the prosecuted and convicted amounts to a little more than 50 per cent. of the total of all the divisions entered above. The introduction of the Forest Act and better rules as to passports, &c., will, it is hoped, quickly check forest offences.

I have the honor to be,
Sir,
Your most obedient servant,

(Signed) R. H. BEDDOME, Colonel,
Conservator of Forests.

Ootacamund,
15th July, 1880.

Forwarded to Government through the Secretary to the Board of Revenue.

(Signed) R. H. BEDDOME, Colonel,
Conservator of Forests.

Statement showing the Quantity and Valuation of Timber, &c., Felled and Removed by Departmental Agency during the Year 1879-80.

Divisions.	Teakwood.											Rosewood and Blackwood.				
	Outlying in the Forests.					At the Forest Depôts.			At the Sale Depôts.			Outlying in the Forests.				
	Quantity.		Valuation.			Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.		
	Logs or Pieces.	Cubic Feet.	Seignorage Value.	Cost of Felling and Supervision.	Total.	Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.	Seignorage Value.	Cost of Felling and Supervision.	Total.
			RS. A. P.	RS. A. P.	RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.	RS. A. P.	RS. A. P.
Ganjam	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	...	...	...	...	...	...	...	...	7,372	1,520 0 0	...	...	...	...	...
North Coimbatore ...	52	320¼	80 0 0	178 0 0	258 0 0	...	...	...	...	...	...	...	...	...	...	...
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilgiri	...	...	...	...	...	...	...	...	...	3,560	2,670 0 0	...	...	...	...	...
Salem...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	13,268	...	...	622 0 0	...	...	...	...	3,183	2,188 0 0	...	413(a)	...	...	19 0 0
Nelumbur	867	Saplings 15,100 No. 16,950	...	...	10,072 0 0 8,475 0 0	...	...	...	...	...	...	1	35	...	...	26 0 0
Palghaut ...	...	Saplings 502	...	...	107 0 0	...	160	160 0 0	...	153	153 0 0	...	...	...	...	...
Total...	919	29,190¼ No. 16,950	80 0 0	178 0 0	19,534 0 0	...	160	160 0 0	...	14,268	6,531 0 0	1	448	...	...	45 0 0

(a) This represents blackwood.

Statement showing the Quantity and Valuation of Timber, &c., Felled and Removed by Departmental Agency during the Year 1879-80.—(Continued).

Divisions.	Rosewood and Blackwood—(*Continued*).						Redwood.							
	At the Forests Depôts.			At the Sale Depôts.			Outlying in the Forests.					At the Forest Depôts.		
	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.			Quantity.		Valuation.
	Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.	Seignorage Value.	Cost of Felling and Supervision.	Total.	Logs or Pieces.	Maunds.	
			RS. A. P.			RS. A. P.			RS. A. P.	RS. A. P.	RS. A. P.			RS. A. P.
Ganjam	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilgiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nelumbur	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palghaut	...	187	187 0 0	...	33	33 0 0	...	...	...	...	...	...	...	...
Total...	...	187	187 0 0	...	33	33 0 0	...	...	...	...	...	...	...	...

Statement showing the Quantity and Valuation of Timber, &c., Felled and Removed by Departmental Agency during the Year 1879-80—(Continued).

Divisions.	Redwood—(*Continued*). At the Sale Depôts. Quantity. Logs or Pieces.	Redwood—(*Continued*). At the Sale Depôts. Quantity. Tons.	Redwood—(*Continued*). At the Sale Depôts. Valuation.	Other Junglewood and Saplings. Outlying in the Forests. Quantity. Logs or Pieces.	Other Junglewood and Saplings. Outlying in the Forests. Quantity. Cubic Feet.	Other Junglewood and Saplings. Outlying in the Forests. Valuation. Seignorage Value	Other Junglewood and Saplings. Outlying in the Forests. Valuation. Cost of Felling and Supervision.	Other Junglewood and Saplings. Outlying in the Forests. Valuation. Total.	Other Junglewood and Saplings. At the Forest Depôts. Quantity. Logs. or Pieces.	Other Junglewood and Saplings. At the Forest Depôts. Quantity. Cubic Feet.	Other Junglewood and Saplings. At the Forest Depôts. Valuation.	Other Junglewood and Saplings. At the Sale Depôts. Quantity. Logs or Pieces.	Other Junglewood and Saplings. At the Sale Depôts. Quantity. Cubic Feet.	Other Junglewood and Saplings. At the Sale Depôts. Valuation.
			RS. A. P.			RS. A. P.	RS. A. P.	RS. A. P.			RS. A. P.			RS. A. P.
Ganjam	...	...	..	...	...	...	...	...	...	...	...	Sâl 7,251	19,099	17,611 0 0
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah ...	... Posts 417	1,575 ...	22,677 598 0 0	...	...	...	...	...	...	...	...	...	94	89 0 0
Kurnool	...	...	...	...	...	...	...	...	...	...	...	11	82	144 0 0
North Arcot	...	1,304	15,648 0 0	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	...	...	87	385	127 0 0	1,154	3,200	1,487 † 47 0 0
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	11,344	6,775 0 0
North Coimbatore ...	...	...	...	...	2,931	706 0 0	1,881 0 0	2,587 0 0	...	...	...	...	...	...
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	410	247 0 0
Nilgiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	...	...	...	...	...	...	...	...	...	...	...	746	3,238	2,670 0 0
South Canara	...	...	...	...	*	*	*	21 0 0	...	...	...	...	...	...
Wynaad...	...	...	...	...	2,359	...	...	110 0 0	...	...	...	...	...	...
Nelumbur	...	...	...	52	1,598	...	...	300 0 0	...	...	...	...	...	...
Palghaut...	...	...	...	...	11,277	...	...	4,500 0 0	...	...	...	...	4,578 Sap. 266	1,830 0 0 † 173 0 0
Total...	417	2,879	38,923 0 0	52	18,165	706 0 0	1,881 0 0	7,518 0 0	87	385	127 0 0	9,162	42,311	31,073 0 0

* Paticulars not given.

Statement showing the Quantity and Valuation of Timber, &c, Felled and Removed by Departmental Agency during the Year 1879-80—(Continued).

Divisions	Firewood and Railway Fuel						Bamboos					
	Outlying in the Forest		At the Forest Depôts		At the Sale Depôts		Outlying in the Forests		At the Forest Depôts		At the Sale Depôts.	
	Quantity	Valuation	Quantity.	Valuation	Quantity	Valuation.	Quantity	Valuation.	Quantity	Valuation	Quantity	Valuation.
		RS. A. P		RS. A. P.	Tons	RS A. P		RS. A P.		RS A. P.		RS. A P
Ganjam	...	...	...	..	10	15 0 0	...	...	...	..	..	...
Godavari	...	...	...	..	.	..	...	...	..	...	...	...
Cuddapah	...	...	...	..	290	163 0 0	...	...	...	...	No 2,050	92 0 0
Kurnool	...	...	..	...	..	.	...	...	..	...	...	...
North Arcot	...	...	...	...	419	938 0 0	...	...	...	..	No. 3,637	682 0 0
South Arcot	...	...	...	...	134	283 0 0	...	...	...	.	No. 1[illegible]	1 0 0
Trichinopoly	..	...	...	...	...	...	...	...	...	.	...	...
Madura	...	..	...	...	81	217 0 0	...	...	...	...	...	...
Tinnevelly		...	...	...	...	...	...	...	...	...	C L 4	51 0 0
North Coimbatore	201	1,043 0 0	...	...	...	..	C. L. 12	73 0 0	...	...	...	...
South Coimbatore	...	..	...	...	...	...	...	...	..	...	...	.
Nilgiri	...	..	..	..	99	638 0 0	...	...	...	...	...	...
Salem	...	..	...	...	...	...	...	...	...	...	...	...
South Canara	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	...	...	...	...	...	No 1,975	120 0 0	...	...	...	...
Nelumbur	...	..	...	...	...	..	...	...	...	...	No. 22,815	1,140 0 0
Palghaut	...	...	...	...	...	...	...	...	No. 1,649	82 0 0	No. 3,251	162 0 0
Total ...	201	1,043 0 0	..	..	1,033	2,254 0 0	12 C L & 1,975	193 0 0	1,649	82 0 0	Nos. 31,765 & 4 C. L.	2,128 0 0

Statement showing the Quantity and Valuation of Timber, &c., Felled and Removed by Departmental Agency during the Year 1879-80—(Continued).

Divisions.	Forest Produce.				Sandalwood.						Total Valuation.			Grand Total.
	At the Forest Depôts.		At the Sale Depôts.		Outlying in the Forests.		At the Forest Depôts.		At the Sale Depôts.		Outlying in the Forests.	At the Forest Depôts.	At the Sale Depôts.	
	Quantity.	Valuation.	Quantity.	Valuation.	Quantity.	Valuation.	Quantity.	Valuation.	Quantity.	Valuation.				
		RS. A. P.	Maunds.	RS. A. P.	Maunds.	RS. A. P.	Maunds.	RS. A. P.	Maunds.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Ganjam	...	...	...	...	...	...	...	...	...	...	...	...	17,626 0 0	17,626 0 0
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	23,619 0 0	23,619 0 0
Kurnool	...	...	562	282 0 0	...	...	...	...	...	...	...	...	426 0 0	426 0 0
North Arcot	...	...	...	...	...	...	...	...	462	462 0 0	...	...	17,730 0 0	17,730 0 0
South Arcot	...	...	73	106 0 0	...	...	...	...	400	2,000 0 0	...	127 0 0	3,924 0 0	4,051 0 0
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	1,597	163 0 0	...	...	...	...	...	...	...	...	880 0 0	880 0 0
Tinnevelly	...	...	Thelams 237 Kottahs 46 C. L. 2	1,031 0 0	...	...	...	...	...	...	...	...	9,377 0 0	9,377 0 0
North Coimbatore ...	lbs. 112	49	...	...	4,270	9,124 0 0	...	...	...	...	13,085 0 0	49 0 0	...	13,134 0 0
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	247 0 0	247 0 0
Nilgiri	...	...	lbs. 12	51 0 0	...	...	...	...	...	...	...	...	3,359 0 0	3,359 0 0
Salem	...	...	...	...	...	...	...	...	2,805	14,029 0 0	...	...	16,699 0 0	16,699 0 0
South Canara	...	...	...	...	...	...	...	...	...	...	21 0 0	...	...	21 0 0
Wynaad	Seers 1,916	53	Bottles 118 Maunds 79	174 0 0 1,140 0 0	...	...	...	...	...	...	871 0 0	53 0 0	3,502 0 0	4,426 0 0
Nelumbur	...	...	...	...	...	...	...	...	...	...	18,873 0 0	...	1,140 0 0	20,013 0 0
Palghaut...	...	...	...	...	...	...	...	...	...	...	4,607 0 0	429 0 0	2,351 0 0	7,387 0 0
Total	lbs. 112 Seers 1,916	102	Maunds 2,311 Tholams 237 Kottahs 46 Bottles 118 lbs. 12 Cart Loads 2	3,447 0 0	4,270	9,124 0 0	...	...	3,667	16,491 0 0	37,457 0 0	658 0 0	1,00,880 0 0	1,38,995 0 0

Statement showing the Quantity and Valuation of Timber, &c., sold and supplied by the Department during the Year 1879-80.

Divisions.	Teakwood.								Ebony or Blackwood.							
	At the Sale Depôts.				Outside the Sale Depôts.				At the Sale Depôts.				Outside the Sale Depôts.			
	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.
	Pieces or Logs.	Cubic Feet.	RS. A. P.	RS. A. P.	Pieces or Logs.	Cubic Feet.	RS. A. P.	RS. A. P.	Pieces or Logs.	Cubic Feet.	RS. A. P.	RS. A. P.	Pieces or Logs.	Cubic Feet.	RS. A. P.	RS. A. P.
Goomsur and Surada	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	91	240	300 0 0	111 0 0	...	...	...	...	21	99	124 0 0	44 0 0	...	...	...	...
Tinnevelly	...	5,472	970 0 0	1,957 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	...	11	16 0 0	13 0 0	...	...	...	...	...	...	...	...	...	...	...	...
North Coimbatore ...	85	795	768 0 0	587 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Coimbatore ...	...	2,312	3,197 0 0	3,469 0 0	...	27	17 0 0	53 0 0	...	...	...	...	...	...	...	...
Nilgiri	633	14,519	21,779 0 0	22,356 0 0	16	315	236 0 0	321 0 0	...	...	...	...	...	...	...	...
Wynaad	...	3,771	2,515 0 0	2,663 0 0	...	Carts 50	250 0 0	250 0 0	...	...	...	...	...	23	12 0 0	12 0 0
Palghaut	456	49	121 0 0	135 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Nelumbur	105	2,874	3,808 0 0	3,808 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ..	1,370	30,043	33,474 0 0	35,099 0 0	16	342 C. L. 50	503 0 0	624 0 0	21	99	124 0 0	44 0 0	...	23	12 0 0	12 0 0

Statement showing the Quantity and Valuation of Timber, &c., sold and supplied by the Department during the Year 1879-80—(Continued).

Divisions.	Rosewood.								Sandalwood.			
	At the Sale Depôts.				Outside the Sale Depôts.				At the Sale Depôts.			
	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.
	Pieces or Logs.	Cubic Feet.			Pieces or Logs.	Cubic Feet.			Pieces or Logs.	Maunds.		
			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.
Goomsur and Surada ...	...	...	...	...	...	...	...	...	...	...	...	...
Godavari ...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool ...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah ...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot ...	...	...	...	...	...	...	...	...	...	309	309 0 0	1,472 0 0
South Arcot ...	...	...	...	...	...	...	...	...	...	683	3,192 0 0	3,178 0 0
Madura ...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly ...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly ...	...	...	...	...	...	...	...	...	...	...	...	...
Salem ...	...	...	...	...	...	...	...	...	...	4,022	20,110 0 0	17,669 0 0
North Coimbatore ...	17	462	514 0 0	292 0 0	...	...	...	...	...	4,043	8,655 0 0	16,904 0 0
South Coimbatore ...	...	13	16 0 0	13 0 0	...	...	...	...	...	...	...	...
Nilgiri ...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad ...	...	...	...	...	...	...	...	...	...	...	...	...
Palghaut ...	...	...	...	...	...	...	...	...	...	...	...	...
Nelumbur ...	...	...	...	...	...	...	...	...	...	...	...	...
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...
Total...	17	475	530 0 0	305 0 0	...	...	...	...	...	9,057	32,266 0 0	39,223 0 0

Statement showing the Quantity and Valuation of Timber, &c., sold and supplied by the Department during the Year 1879-80—(Continued).

Divisions.	Red Sander Roots or Posts.								Other Junglewood.							
	At the Sale Depôts.				Outside the Sale Depôts.				At the Sale Depôts.				Outside the Sale Depôts.			
	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.
	Tons.	Posts.			Maunds.	Cubic Feet.			Logs or Pieces.	Cubic Feet.			Logs or Pieces.	Cubic Feet.		
			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.
Goomsur and Surada...	...	...	...	...	...	...	...	...	6,422	17,388	15,482 0 0	15,547 0 0	...	...	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	82	82 0 0	144 0 0	...	...	...	...
Cuddapah	1,575	417	23,275 0 0	28,119 0 0	...	...	...	...	...	94	89 0 0	106 0 0	...	...	...	...
North Arcot	1,304	...	15,648 0 0	19,560 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	...	...	1,483	2,980	1,625 0 0	2,000 0 0	1	1	1 0 0	1 0 0
Madura	...	...	...	...	...	...	...	...	340	1,894	2,359 0 0	555 0 0	...	...	...	...
Tinnevelly	...	...	...	...	...	...	...	...	...	8,701	4,778 0 0	6,907 0 0	...	...	...	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	...	...	...	...	...	...	...	...	1,193	3,188	2,421 0 0	2,609 0 0	...	...	...	...
North Coimbatore ...	...	...	...	...	...	...	...	...	168	2,133	1,567 0 0	2,487 0 0	...	...	...	...
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	121	51 0 0	120 0 0
Nilgiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	...	...	...	...	...	...	...	...	5,000	2,000 0 0	2,000 0 0	...	1,760	397 0 0	444 0 0
Palghaut	...	...	...	...	...	...	...	...	...	4,451	1,424 0 0	2,030 0 0	...	38	12 0 0	12 0 0
Nelumbur	...	...	...	...	...	...	...	...	1	52	23 0 0	23 0 0	...	...	...	...
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...	761	14,729	5,657 0 0	1,488 0 0
Total ...	2,879	417	38,923 0 0	47,679 0 0	...	...	...	...	9,607	45,963	31,850 0 0	34,408 0 0	762	16,649	6,118 0 0	2,065 0 0

Statement showing the Quantity and Valuation of Timber, &c., sold and supplied by the Department during the Year 1879-80—(Continued.)

Divisions.	Firewood and Railway Fuel.								Charcoal.							
	At the Sale Depôts.				Outside the Sale Depôts.				At the Sale Depôts.				Outside the Sale Depôts.			
	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.
	Logs or Pieces.	Tons.			Logs or Pieces.	Cubic Feet.			Pieces or Logs.	Cart Loads.			Tons.	Bandy Loads.		
			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.
Goomsur and Surada...	...	10	15 0 0	15 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	460	327 0 0	188 0 0	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	418	938 0 0	3,177 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	134	283 0 0	315 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	101	323 0 0	437 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Coimbatore ...	...	200	1,047 0 0	1,304 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilgiri	...	99	661 0 0	676 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palghaut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nelambur	233	...	466 0 0	466 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Canara... ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	233	1,422	4,060 0 0	6,578 0 0	...	...	...	...	...	...	...	...	...	...	...	...

Statement showing the Quantity and Valuation of Timber, &c., sold and supplied by the Department during the Year 1879-80—(Continued).

Divisions.	Bamboos.								Teak Saplings.							
	At the Sale Depôts.				Outside the Sale Depôts.				At the Sale Depôts.				Outside the Sale Depôts.			
	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.
	Cart Loads.	Head Loads.			Cart Loads.	Head Loads.			No	Bandy Loads.			No.	Bandy Loads.		
			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.
Goomsur and Surada..	Not given		...	58 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	No. 2,050	92 0 0	105 0 0	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot... ...	...	3,637	682 0 0	581 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot... ...	...	12	1 0 0	2 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	10	...	110 0 0	60 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly	...	No. 51	3 0 0	3 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Salem...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Coimbatore ...	12	...	73 0 0	98 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilgiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	...	...	...	No. 25,458	...	374 0 0	374 0 0	...	...	...	...	...	...	...	...
Palghaut	40	No. 300	300 0 0	364 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Nelumbur	...	...	626 0 0	626 0 0	...	...	...	...	19,844	...	19,593 0 0	19,593 0 0	...	...	...	...
South Canara ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total...	62	6,050	1,887 0 0	1,897 0 0	No. 25,458	...	374 0 0	374 0 0	19,844	...	19,593 0 0	19,593 0 0	...	...	...	...

Statement showing the Quantity and Valuation of Timber, &c., sold and supplied by the Department during the Year 1879-80.—(Continued).

Divisions.	Minor Forest Produce.								Total.	
	At the Sale Depôts.				Outside the Sale Depôts.					
	Quantity.		Valuation.	Actual Value realized.	Quantity.		Valuation.	Actual Value realized.	Valuation.	Actual Value realized.
	Maunds.	No.			Maunds.	No.				
			RS. A. P.	RS. A. P.			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Goomsur and Sarada ...	...	...	...	...	...	...	...	...	15,497 0 0	15,620 0 0
Godavari	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	82 0 0	144 0 0
Cuddapah	...	...	...	...	...	...	...	...	23,784 0 0	28,519 0 0
North Arcot	...	...	...	...	...	...	...	...	17,577 0 0	24,790 0 0
South Arcot	73	...	104 0 0	141 0 0	...	...	...	...	5,205 0 0	5,636 0 0
Madura	2,588	...	1,094 0 0	1,284 0 0	...	...	...	...	4,200 0 0	2,431 0 0
Tinnevelly	Tholams 90 Meas. 163	...	731 0 0	3,184 0 0	...	...	...	...	6,589 0 0	12,108 0 0
Trichinopoly	...	...	..	...	...	...	...	...	3 0 0	3 0 0
Salem	...	...	...	91 0 0	...	...	...	...	22,547 0 0	20,382 0 0
North Coimbatore	112	..	49 0 0	66 0 0	...	..	...	...	12,673 0 0	21,738 0 0
South Coimbatore	...	...	...	...	...	...	...	...	3,281 0 0	3,655 0 0
Nilgiri	...	212	51 0 0	51 0 0	...	...	...	...	22,727 0 0	23,404 0 0
Wynaad	22	Bottles 108	1,242 0 0	1,242 0 0	...	...	...	...	6,790 0 0	6,985 0 0
Palghant	...	...	...	...	...	...	...	...	1,857 0 0	2,541 0 0
Nelumbur	...	...	...	...	...	...	...	...	24,516 0 0	24,516 0 0
South Canara	...	...	1 0 0	2 0 0	...	...	...	...	5,658 0 0	1,490 0 0
Total...	Tholams 90 Meas. 163 Mds. 2,795	Bottles 108 No. 212	3,272 0 0	6,061 0 0	...	...	...	...	172,986 0 0	193,962 0 0

Statement showing the Quantity and Value of Timber and other Produce removed under the License System during the Year 1879-80.

Divisions.	Teakwood.		Ebony or Blackwood		Other Junglewood.		Firewood.		Engine Fuel.	
	Quantity.	Value.	Quantity.	Value	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
		RS A. P		RS. A P	C FT	RS. A P	TONS	RS. A. P.	TONS.	RS. A P.
Goomsur and Surada	...	...	...	...	60,980	3,880 0 0	307	107 0 0	...	...
Godavari	...	..	...	...	...	16,051 0 0	...	...	...	...
Cuddapah	...	...	...	...	64,670	7,027 0 0	2,901½	2,514 0 0	5,203⅕	11,655 0 0
Kurnool	...	.	...	...	87,190	8,473 0 0	297	223 0 0	...	...
North Arcot	...	...	...	...	1,396 & B L. 112	2,772 0 0	1,832	1,539 0 0	...	...
South Arcot	...	...	...	..	Hd. L 8,758	534 0 0	2,025	2,201 0 0	...	...
Trichinopoly	...	...	...	...	132	509 0 0	236¼	639 0 0	...	...
Madura	...	...	...	...	36,094¾	5,026 0 0	7,471⅛	6,514 0 0	...	...
Tinnevelly	...	...	...	...	18,125	1,136 0 0	1,924	3,438 0 0	...	...
North Coimbatore	...	...	...	...	12,940½	1,263 0 0	1,094	9,094 0 0	...	...
South Coimbatore	...	...	...	...	2,737	140 0 0	1,819	1,525 0 0		...
Nilgiri	...	...	Trees 2	10 0 0	3 B L. 75 Hd L. 227 Trees 2,067 Poles.	1,019 0 0	1,007	4,787 0 0	...	...
Salem	...	...	...	...	23,040	2,551 0 0	3,025	280 0 0	4,467	10,007 0 0
South Canara	...	...	...	...	Logs 2	6 0 0	...	...	...	...
Wynaad	...	..	...	...	...	...	...	...	...	...
Nelumbur	...	...	...	...	...	...	...	...	...	...
Palghaut	...	...	...	..	...	1,248 0 0	...	...	...	...
Total .	...	..	Trees 2	10 0 0	3,05,908⅞ B. L 1,399 Hd L 8,945 Trees 227 Poles 2,067 Logs 2	51,635 0 0	23,939¼	32,861 0 0	9,670⅕	21,662 0 0

Statement showing the Quantity and Value of Timber and other Produce removed under the License System during the Year 1879-80—(Continued).

Divisions	Charcoal.		Bamboos.		Forest Produce.		Total.	
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
	TONS	RS. A. P.	C. LOAD.	RS. A. P.	MAUNDS.	RS A. P.		RS. A. P.
Goodiyur and Surada	374	5 0 0	...	...	...	23 0 0	...	4,015 0 0
Godavari	...	...	...	...	...	472 0 0	...	16,523 0 0
Cuddapah	215¾	836 0 0	956½	1,232 0 0	23,352	881 0 0	...	24,145 0 0
Kurnool	196	587 0 0	7,868¾	2,459 0 0	C loads 228	300 0 0	...	12,042 0 0
North Arcot	600	2,016 0 0	15,221⅜	7,611 0 0	10,480	927 0 0	...	14,865 0 0
South Arcot	9	30 0 0	1,090	984 0 0	31,708	614 0 0	...	4,363 0 0
Trichinopoly	...	...	4	4 0 0	...	120 0 0	...	1,272 0 0
Madura	64½	234 0 0	1,474	1,585 0 0	4,382	276 0 0	...	13,635 0 0
Tinnevelly	637	2,150 0 0	263	243 0 0	...	1,804 0 0	...	8,771 0 0
North Coimbatore	191	555 0 0	8,552½	9,807 0 0	37,324	1,034 0 0	...	21,753 0 0
South Coimbatore	27¼	178 0 0	1,790½	1,826 0 0	...	120 0 0	...	3,789 0 0
Nilgiri	H loads 610	152 0 0	10 H. loads 199 Nos. 376	32 0 0	Hd. loads 401	25 0 0	...	6,025 0 0
Salem	1,015⅛	3,437 0 0	9,607½	8,330 0 0	41,600	16,845 0 0	...	41,450 0 0
South Canara	...	...	No. 2,660	40 0 0	Inclusive Tamarind Renta.	3 0 0	...	49 0 0
Wynaad	...	...	...	...	...	...	...	...
Nelumbur	...	...	...	...	...	...	...	...
Palghaut	...	...	...	...	...	80 0 0	...	1,328 0 0
Total..	Tons 3,329½ H. loads 610	10,180 0 0	B. loads 46,838½ No 3,036 H loads 199	34,153 0 0	Mds. 1,48,846 B loads 228 H loads 401	23,524 0 0	...	1,74,025 0 0

Statement showing the Total Yield of Forests during the Year 1879-80.

Divisions.	Teakwood.			Sandalwood.			Ebony or Blackwood.			Forest Produce.	
	Departmentally.	On License.	Free.	Departmentally.	On License.	Free.	Departmentally.	On License.	Free.	Departmentally.	On License.
Goomsur and Surada	...	...	...	...	...	...	...	...	...	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	Mds. 23,352
Kurnool	...	...	...	...	...	...	...	...	...	Mds. 562	C. loads 228
North Arcot	...	...	...	Mds. 462	...	...	...	...	...	...	Mds. 10,480
South Arcot	...	...	...	Mds. 400	...	...	...	...	...	Mds. 73	Mds. 31,708
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	Mds. 1,597	Mds. 4,382
Tinnevelly	C. ft. 7,372	...	...	...	...	...	...	...	...	Tholams 237 Khottas 46 C. loads 2	...
North Coimbatore	C. ft. 320¼	...	...	Mds. 4,270	...	...	...	...	...	lbs. 112	Mds. 37,324
South Coimbatore	...	...	...	...	...	...	...	...	...	...	...
Nilgiri	C. ft. 3,560	...	...	...	...	...	...	Trees 2	...	lbs. 12	H. loads 401
Salem	...	...	...	Mds. 2,805	...	...	...	...	...	...	Mds. 41,600
South Canara	...	...	...	...	...	...	...	...	...	...	...
Wynaad	C. ft. 16,451	...	...	...	...	...	C. ft. 413	...	...	Seers 1,916 Bottles 118 Mds. 79	...
Nelumbur	C. ft. 15,100	...	...	...	...	...	C. ft. 35	...	...	...	...
Palghaut	C. ft. 313	...	...	...	...	...	C. ft. 220	...	...	...	...
Total...	C. ft. 43,116¼	...	...	Mds. 7,937	...	...	C. ft. 668	Trees 2	...	Mds. 2,311 Tholams 237 Khottas 46 Bottles 118 Seers 1,916 lbs. 124 C. loads 2	Mds. 148,846 B. loads 228 H. loads 401

Statement showing the Total Yield of Forests during the Year 1879-80—(Continued).

Divisions.	Red Sanders.			Rosewood.			Junglewood.			Firewood, &c., Railway Fuel.		
	Departmentally.	On License.	Free.	Departmentally.	On License.	Free.	Departmentally.	On License.	Free.	Departmentally.	On License.	Free.
Goomsur and Surada	...	...	...	...	...	...	C. ft. 19,099	C. ft. 60,980	...	Tons 10	...	...
Godavari	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	Tons 1,575 Posts 417	...	...	...	...	...	C. ft. 94	C. ft. 64,670	C. ft. 12,520	Tons 290	Tons 8,104½	Tons 1,213$\frac{42}{56}$
Kurnool	...	...	...	...	...	...	C. ft. 82	C. ft. 87,190	C. ft. 43	...	Tons 297	Tons 3,346
North Arcot	Tons 1,304	...	...	...	...	...	...	B. L. 1,396 & H. L. 112	C. loads 940	Tons 419	Tons 1,832	C. loads 3,750
South Arcot... ...	...	...	...	...	...	...	C. ft. 3,585	H. loads 8,758	C. ft. 3,548¾	Tons 134	Tons 2,025	Tons 83$\frac{48}{56}$
Trichinopoly... ...	...	...	...	...	...	...	...	No. 132	...	...	Tons 236¼	...
Madura	...	...	...	...	...	...	...	C. ft. 36,094¾	C. ft. 9,169$\frac{38}{48}$	Tons 81	Tons 7,471½	Tons 369$\frac{44}{224}$
Tinnevelly	...	...	...	...	...	...	C. ft. 11,344	C. ft. 18,125	C. ft. 2,244	...	Tons 1,924	Tons 49
North Coimbatore ...	...	...	...	...	...	...	C. ft. 2,931	C. ft. 12,940⅛	C. loads 1,295	Tons 201	Tons 1,094	C. loads 3,144$\frac{3}{5}$
South Coimbatore ...	...	...	...	...	...	...	C. ft. 410	C. ft. 2,737	C. ft. 1,795	...	Tons 1,819	C. loads 2
Nilgiri	...	...	...	...	..	...	...	B. loads 3 H. loads 75 Trees 227 Poles 2,067	Trees 73 H. loads 382	Tons 99	Tons 1,007	Tree 1 H. loads 319
Salem	...	...	...	...	...	...	C. ft. 3,238	C. ft. 23,040	C. ft. 9,388	...	Tons 7,492	B. loads 58
South Canara ...	...	...	...	...	...	...	...	Logs 2	...	...	...	...
Wynaad... ...	...	...	...	...	...	...	C. ft. 2,359	...	...	...	...	...
Nelumbur	...	...	...	...	...	...	C. ft. 1,598	...	...	...	...	...
Palghaut	...	...	...	...	...	...	C. ft. 16,121	Trees 832	...	...	...	...
Total ...	Tons 2,879 Posts 417	...	...	...	...	...	C. ft. 60,861	C. ft. 305,908¾ B. loads 1,399 H. loads 8,945 Trees 227 Poles 2,067 Logs 2	C. ft. 38,708$\frac{11}{48}$ B. loads 2,235 Trees 73 H. loads 382	Tons 1,234	Tons 33,609½	Tons 5,062$\frac{1}{56}$ C. lds. 6,954$\frac{3}{5}$ H. loads 319 Tree 1

Statement showing the Total Yield of Forests during the Year 1879-80—(Continued).

Divisions.	Bamboos.			Saplings.			Charcoal.			Canes or Rattan		
	Departmentally.	On License	Free.	Departmentally.	On License.	Free.	Departmentally.	On License.	Free.	Departmentally.	On License.	Free.
Goomsur and Surada	...	...	...	...	...	...		Tons 374	...	...	...	...
Godavari...	...	...	...	...	...	...	...		...	...	...	...
Cuddapah	No 2,050	B. loads 956½	B. loads 239	...	...	...	...	Tons 215¾	...	...	...	...
Kurnool	...	B loads 7,868¾	...	...	...	...	...	Tons 196	...	...	...	...
North Arcot	No. 3,637	B loads 15,221⅞	B lds. 1,028	...	...	...	...	Tons 600	...	...	..	...
South Arcot	No. 12	B loads 1,090	B. loads 93	...	...	...	...	Tons 9	...	...	...	...
Trichinopoly	...	B loads 4	...	...	...	...	..	...	...	...	...	...
Madura	...	B loads 1,474	B. loads 1⅛	...	...	...	...	Tons 64½	...	...	...	...
Tinnevelly	C. loads 4	B. loads 263	...	...	...	...	...	Tons 637		...	...	...
North Coimbatore	B. loads 12	B loads 8,552½	B lds. 1,039½	..	...	...	..	Tons 191¼	...	...	...	...
South Coimbatore	...	B loads 1,790½	B. loads 273	...	...	...	...	Tons 27¼	..	...	...	...
Nilgiri	...	B. loads 10 H loads 199 No. 376	...	...	...	..	...	H loads 610	...	...	...	...
Salem	...	B. loads 9,607½	B loads 161	...	...	...	...	Tons 1,015⅛	..	...	..	...
South Canara	...	No. 2,660	...	...	...	...	...	...	...	...	...	...
Wynaad	No. 1,975	...	...	...	..	..	...	...	..	...	...	...
Nelumbur	No. 22,815	...	...	Teak Nos. 16,950	...	...	...	...	...	...	...	..
Palghaut	No. 4,900	...	...	Teak C ft. 502	...	...	...	...	...	...	...	...
Total ...	No 35,389 B loads 16	B loads 46,838 No. 3,036 H loads 199	B lds. 2,834 3/16	Nos. 16,950 C. ft. 502	...	...	...	Tons 3,329½ H. loads 610	...	..	..	...

Free Pass Statement.

Divisions.	Timber.		Firewood.		Bamboos.	
	Building purposes.	Agricultural purposes.	Agricultural and Domestic use, and for the Manufacture of Jaggery.	Burning Corpse and erecting Cadoo-shed, &c.	Building purposes	Agricultural purposes.
	Quantity.	Quantity.	Quantity.	Quantity.	Quantity.	Quantity.
	Cubic feet.	Cubic feet.	Tons.	Tons	B. loads	B. loads
Goomsur and Surada ..	...	...	Nil.	...	...	...
Godavari	...	...	Nil.	...	...	...
Cuddapah	8,420	4,100	1,213 $\frac{12}{56}$	...	81	158
Kurnool	...	43	3,346	...	...	...
North Arcot	C. loads 560	C. loads 380	C. loads 3,750	...	950	78
South Arcot	2,880	668 $\frac{3}{4}$	83 $\frac{55}{56}$	...	92 $\frac{1}{4}$	$\frac{3}{4}$
Trichinopoly	...	...	Nil.	..	...	...
Madura	5,760	3,409 $\frac{13}{16}$	369 $\frac{44}{224}$	...	1 $\frac{1}{16}$	...
Tinnevelly	1,291	953	49	...	...	..
North Coimbatore ..	C. loads 18	C. loads 1,277	C. loads 3144 $\frac{3}{5}$	...	926 $\frac{5}{16}$	112 $\frac{13}{16}$
South Coimbatore ...	...	1,795	C. loads 2	...	...	273
Nilgiri	Trees 43 H loads 362	Trees 30 H. loads 20	H. loads 36	Tree 1 H. loads 283	...	...
Salem	2,768	6,620	B. loads 58	...	54	107
South Canara	..	...	Nil.	...	...	...
Wynaad	...	...	Nil.	...	...	...
Nelumbur	...	...	Nil	...	...	...
Palghaut	...	...	Nil	...	...	...
Total ...	C ft 21,119 C loads 578 Trees 43 H loads 362	C ft. 17,589 $\frac{11}{16}$ C loads 1,657 Trees 30 H loads 20	Tons 5,062 $\frac{1}{16}$ C loads 6,954 $\frac{3}{8}$ H loads 36	Tree 1 H. loads 283	B. loads 2,104 $\frac{1}{8}$	B loads 729 $\frac{9}{16}$
1878-79	58,164 $\frac{1}{4}$ Trees 35	10,959	1,294 C. loads 6,903	C. loads 382 $\frac{1}{2}$ 359	2,794 and No 4,050	1,692 and No. 7,900

Statement showing the Quantity and Valuation of Timber Stock at the Commencement and Close of the Year 1879-80.

Divisions.	Teakwood.												Ebony or Blackwood.		
	At the Sale Depôts.						Outside the Sale Depôts.						At the Sale Depôts.		
	At the commencement of the year.			At the close of the year.			At the commencement of the year.			At the close of the year.			At the commencement of the year.		
	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.
	Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.		Logs or Pieces.	Cubic Feet.	
			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Goomsur and Surada ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	240	248 0 0	...	...	...	...	...	...	...	...	...	...	96	102 0 0
Tinnevelly	...	1,032	545 0 0	...	2,930	1,099 0 0	...	...	...	...	...	...	...	...	...
North Coimbatore ...	...	735¾	847 0 0	16	261	337 0 0	...	4,189	2,661 0 0	107	2,929¾	2,280 0 0	...	...	...
South Coimbatore ...	...	27,459	48,958 0 0	...	25,147	45,728 0 0	42	61,002	35,725 0 0	...	61,002	35,725 0 0	...	...	...
Nilgiri	...	14,445½	21,668 0 0	...	3,486½	5,230 0 0	...	53,216½	36,230 0 0	...	48,984	33,005 0 0	...	...	...
Salem	...	5	7 0 0	...	...	...	...	...	...	...	...	...	...	...	...
South Canara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	9,107¼	10,132 0 0	...	8,520	9,658 0 0	...	17,831	9,049 0 0	...	27,915½	14,091 0 0	...	200¾	297 0 0
Nelumbur	382 31,023	4,311	20,447 0 0	1,153 Saplgs. 18,429	16,705	9,804 0 0 4,141 0 0	...	...	...	...	...	...	155	3,160	1,933 0 0
Palghaut	...	87	200 0 0	...	96	96 0 0	...	313	287 0 0	...	314	314 0 0	...	9	9 0 0
Total...	Logs 382 Saplgs. 31,023	57,432½	103,052 0 0	Saplgs. 18,429 1,169	57,145½	76,093	42	136,551½	83,952	Sleepers 2 107	141,145	85,415 0 0	155	3,465¾	2,341 0 0

Statement showing the Quantity and Valuation of Timber Stock at the Commencement and Close of the Year 1879-80—(Continued).

Divisions.	Ebony or Blackwood—(*Continued*).									Rosewood.					
	At the Sale Depôts—(*Continued*)			Outside the Sale Depôts						At the Sale Depôts.					
	At the close of the year.			At the commencement of the year.			At the close of the year.			At the commencement of the year.			At the close of the year.		
	Quantity.		Valuation.	Quantity.		Valuation	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.
	Logs or Pieces	Cubic Feet.		Logs or Pieces	Cubic Feet.		Logs or Pieces	Cubic Feet.		Logs or Pieces	Cubic Feet		Logs or Pieces	Cubic Feet.	
			RS. A P			RS. A. P.			RS. A. P.			RS A. P.			RS. A. P.
Goomsur and Surada	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	..	...	...	.	...
Kurnool	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	...	.	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly	...	...	...	...	...	...	...	..	...	...		...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	...	..	...	...	...	...	...	...	...		...	...	...	...
North Coimbatore	...	...	..	..	...	..	...	...	...	...	12,344½	9,741 0 0	383	9,234½	8,364 0 0
South Coimbatore	...	...	...	...	...	...	...	..	...	...	14,570	20,830 0 0	...	14,570	20,830 0 0
Nilgiri	...	...	...	...	285	107 0 0	...	285	107 0 0	...	...	...	...	...	...
Salem	...	...	...	...	...	...	...	..	...	...	...	..	...	...	...
South Canara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	400½	296 0 0	...	39½	15 0 0	...	453	170 0 0	...	...	...	...	...	...
Nelumbur	156	3,195	2,009 0 0	.	...	...	...	...	...	...	...	...	...	...	...
Palghaut	...	37	37 0 0	...	208	208 0 0	...	11	11 0 0	...	...	...	...	...	...
Total ..	156	3,432¼	2,342 0 0	...	532½	330 0 0	...	749	288 0 0	...	26,914½	30,571 0 0	383	13,804½	29,194 0 0

Statement showing the Quantity and Valuation of Timber Stock at the Commencement and Close of the Year 1879-80—(Continued).

Divisions.	Rosewood—(*Continued*). Outside the Sale Depôts. At the commencement of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	At the close of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Sandalwood. At the Sale Depôts. At the commencement of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	At the close of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Red Sanders' Roots or Parts. Outside the Sale Depôts. At the commencement of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	At the close of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.
			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Goomsur and Surada ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	...	...	...	...	...	200	...	200 0 0	353	...	353 0 0	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	493½	...	2,218 0 0	11	...	54 0 0	...	...	...	...	...	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Coimbatore ...	...	603½	691 0 0	5	121¾	33 0 0	...	...	...	227	...	468 0 0	...	...	...	...	...	...
South Coimbatore ...	...	5,827	4,890 0 0	...	5,827	4,890 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Nilgiri	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salem	...	...	...	...	...	...	1,308	4	6,541 0 0	92	...	460 0 0	...	...	...	...	...	...
South Canara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nelumbur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palghaut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total...	...	6,430½	5,581 0 0	5	5,948¾	4,923 0 0	2,001½	4	8,959 0 0	683	...	1,335 0 0	...	...	...	...	...	...

Statement showing the Quantity and Valuation of Timber Stock at the Commencement and Close of the Year 1879-80—(Continued).

Divisions.	Other Junglewood.												Bamboos.		
	At the Sale Depôts.						Outside the Sale Depôts.						At the Sale Depôt.		
	At the commencement of the year.			At the close of the year.			At the commencement of the year.			At the close of the year.			At the commencement of the year.		
	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.	Quantity.		Valuation.
	Logs or Pieces.	Cubic Feet.	RS. A. P.	Logs or Pieces.	Cubic Feet.	RS. A. P.	Logs or Pieces.	Cubic Feet.	RS. A. P.	Logs or Pieces.	Cubic Feet.	RS. A. P.	Logs or Pieces.	Cubic Feet.	RS. A. P.
Goomsur and Surada ...	85	884	272 0 0	966	3,412	2,611 0 0	84	1,709	346 0 0	32	891	184 0 0	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	39¾	40 0 0	...	39¾	40 0 0	...	...	...	...	...	...	...	...	...
South Arcot	666	1,318	738 0 0	586	1,473	815 0 0	167	612	262 0 0	92	495	191 0 0	...	...	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	1,895	1,950 0 0	...	...	...	...	...	...	...	...	...	...	...	...
Tinnevelly	...	3,685	2,734 0 0	...	6,329	4,735 0 0	...	...	...	...	...	...	6	...	77 0 0
North Coimbatore	...	2,491	917 0 0	...	2,299	1,532 0 0	...	633	320 0 0	13	465¾	94 0 0	1	48	7 0 0
South Coimbatore	...	873	524 0 0	...	1,283	771 0 0	38	5,075	2,035 0 0	...	4,945	1,983 0 0	...	...	...
Nilgiri	...	...	...	...	...	...	...	760	142 0 0	...	760	142 0 0	...	...	...
Salem	...	1,271	1,086 0 0	...	1,527	1,153 0 0	...	...	...	...	...	...	...	...	...
South Canara	...	...	...	...	...	...	1,896	40,815¾	15,665 0 0	1,102	25,342½	9,742 0 0	...	...	...
Wynaad	...	1,505¼	916 0 0	...	1,505¼	915 0 0	...	549¾	102 0 0	...	1,736	446 0 0	...	...	...
Nelumbur	1,135	21,775	5,088 0 0	1,177	9,583	5,364 0 0	...	...	...	...	...	...	...	...	...
Palghaut	...	5,706	2,300 0 0	...	...	...	...	13,317	3,000 0 0	...	4,821	1,900 0 0	...	...	...
Total...	1,886	41,443	16,565 0 0	2,729	27,456	17,936 0 0	2,185	63,471½	21,872 0 0	1,239	39,456¼	14,682 0 0	7	48	84 0 0

Statement showing the Quantity and Valuation of Timber Stock at the Commencement and Close of the Year 1879-80—(Continued).

Divisions.	Bamboos—(*Continued*). At the Sale Depôts—(*Continued.*) At the close of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Outside the Sale Depôts. At the commencement of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	At the close of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Railway Fuel or Firewood. At the Sale Depôts. At the commencement of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	At the close of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Forest Produce. Outside the Sale Depôts. At the commencement of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.
			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.			RS. A. P.
Goomsur and Surada ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cuddapah	...	...	...	...	...	...	...	...	...	460	...	165 0 0	...	...	...	...	...	...
Kurnool	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
North Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Arcot	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trichinopoly	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	...	...	...	8	...	30 0 0	...	...	...
Tinnevelly	2½	...	24 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	308 0 0
North Coimbatore ...	...	...	...	...	...	...	...	...	...	103	...	314 0 0	...	...	...	...	...	...
South Coimbatore ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Nilgiri	...	...	...	...	...	...	...	...	...	...	88	253 0 0	...	71	204 0 0	...	...	...
Salem	4	...	2 0 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
South Canara	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Wynaad	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	87 0 0
Nelumbur	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Palghaut	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total...	6½	...	26 0 0	...	...	...	...	...	...	563	88	732 0 0	8	71	234 0 0	...	...	395 0 0

Statement showing the Quantity and Valuation of Timber Stock at the Commencement and Close of the Year 1879-80—(Continued).

Divisions.	Forest Produce—(*Continued.*) Outside the Sale Depôts—(*Continued*). At the close of the year. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Saplings. At the Sale Depôts. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Saplings. Outside the Sale Depôts. Quantity. Logs or Pieces.	Cubic Feet.	Valuation.	Total. At the Sale Depôts. Valuation. At the commencement of the year.	Valuation. At the close of the year.	Total. Outside the Sale Depôts. Valuation. At the commencement of the year.	Valuation. At the close of the year.
			RS. A. P.			RS. A. P.			RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Goomsur and Surada ...	...	...	...	...	...	...	...	...	...	272 0 0	2,611 0 0	346 0 0	184 0 0
Cuddapah	...	...	...	...	...	...	...	...	...	165 0 0	...	...	...
Kurnool	562	...	282 0 0	...	...	...	...	...	...	...	282 0 0	...	...
North Arcot...	...	...	...	...	...	...	...	...	...	240 0 0	393 0 0	...	...
South Arcot...	1½	...	2 0 0	...	...	...	...	...	...	2,956 0 0	871 0 0	262 0 0	191 0 0
Trichinopoly...	...	...	...	...	...	...	...	...	...	...	...	...	...
Madura	...	...	...	...	...	...	...	...	...	2,300 0 0	30 0 0	...	...
Tinnevelly	Bottles 40 Mds. 563½ Tolahs 1,401 Cottahs 45 Seers 4,576	...	606 0 0	...	...	...	...	...	...	3,664 0 0	6,464 0 0	...	...
North Coimbatore	...	...	...	...	...	...	...	...	...	11,826 0 0	10,701 0 0	3,673 0 0	2,407 0 0
South Coimbatore	...	...	...	...	...	...	...	...	...	70,312 0 0	64,729 0 0	42,650 0 0	42,598 0 0
Nilgiri	...	...	...	...	...	...	...	...	...	21,921 0 0	5,434 0 0	36,479 0 0	33,254 0 0
Salem	...	...	...	...	...	...	...	...	...	7,634 0 0	1,615 0 0	...	...
South Canara	...	...	...	...	...	...	...	...	...	...	...	15,665 0 0	9,742 0 0
Wynaad	Seers 4,576 Bottles 40	...	143 0 0	...	...	...	...	...	...	11,432 0 0	11,012 0 0	9,165 0 0	14,707 0 0
Nelumbur	...	...	...	...	...	...	...	...	...	27,468 0 0	21,318 0 0	...	...
Palghaut	...	...	...	...	...	...	...	...	...	2,509 0 0	133 0 0	3,508 0 0	2,225 0 0
Total...	Tolahs 1,401 Cottahs 45	...	1,033 0 0	...	...	...	...	...	...	1,62,699 0 0	12,893 0 0	1,11,748 0 0	1,05,308 0 0

Annual Statement of Receipts and Charges of the Forest Department for 1879-80.

Budget Heads.	Ganjam.	Godavari.													Malabar.			
	Goomsur and Surada.	Bhadrachalam.	Cuddapah.	Kurnool.	North Arcot.	South Arcot.	Trichinopoly.	Madura.	Tinnevelly.	North Coimbatore.	South Coimbatore.	Nilgiri.	Salem.	North Canara.	Wynaad.	Nelumbur.	Palghaut.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the Forests by Government Agency...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Timber	15,547	...	28,251	144	19,560	2,601	...	710	2,864	3,366	3,655	22,676	2,622	1,488	5,400	23,266	2,177	1,39,722
(b) Firewood and Charcoal	15	...	162	...	3,177	315	...	437	...	1,304	...	676	...	...	...	466	...	6,552
(c) Bamboos	58	...	105	...	581	2	3	...	60	98	...	...	...	...	343	626	364	2,240
(d) Sandalwood	...	...	...	...	1,472	3,178	...	...	...	1,694	...	...	17,669	...	...	...	...	39,223
(e) Grass and other minor produce...	...	...	...	...	...	141	...	1,284	3,184	66	...	51	91	2	1,242	...	...	6,061
II. Timber and other produce removed from the Forest by consumers or purchasers	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Timber	3,880	16,051	7,027	8,473	2,772	534	509	5,926	1,136	1,263	110	1,029	2,551	6	...	...	1,284	51,645
(b) Firewood and Charcoal	112	...	15,005	810	3,555	2,231	648	6,748	5,588	9,649	1,704	4,939	16,241	...	...	...	...	67,233
(c) Bamboos	...	...	1,232	2,459	7,611	984	4	1,585	243	9,807	1,826	32	8,330	40	...	...	...	34,153
(d) Grazing and Fodder Grass	...	...	...	588	...	...	2,438	...	...	...	95	...	...	3	...	...	...	3,124
(e) Other minor produce	23	472	881	300	927	614	123	276	1,804	1,034	25	25	16,845	...	...	...	80	23,429
III. Confiscated drift and waifwood	16	565	1,161	757	40	81	...	114	161	322	1	7	360	46	...	...	...	3,631
IV. Miscellaneous	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(a) Fines and Forfeitures	...	39	...	...	20	104	...	126	1	...	...	...	...	16	5	...	...	311
(b) Refunds and Cesses	...	...	...	49	...	...	...	...	86	284	119	56	865	...	86	556	...	2,101
(c) Other Sources	...	57	...	54	100	29	27	302	707	234	1,823	...	369	73	...	23	1	3,799
Total...	19,651	17,184	53,824	13,634	39,815	10,214	3,752	16,608	21,834	44,331	9,388	29,491	65,946	1,674	7,076	29,932	3,870	3,83,224

Annual Statement of Receipts and Charges of the Forest Department for 1879-80—(Continued.)

Budget Heads.	Ganjam. Goomsur and Surada.	Ganjam. Bhadrachalam.	Godavari.	Cuddapah.	Kurnool.	North Arcot.	South Arcot.	Trichinopoly.	Madura.	Tinnevelly.	North Coimbatore.	South Coimbatore.	Nilgiri.	Salem.	South Canara.	Malabar. Wynaad.	Malabar. Nelumbur.	Malabar. Palghaut.	Grand Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce received from the Forest by Government Agency—																			
(a) Timber	8,976	...	10,859	106	10,648	1,837	...	73	8,868	2,059	8,833	2,419	2,285	22	1,394	7,749	1,434	67,562
(b) Firewood and Charcoal	...	...	...	...	2,258	26	...	226	...	897	...	558	...	...	...	...	...	3,965
(c) Bamboo	...	...	64	...	667	...	...	...	78	100	...	...	56	...	127	829	121	2,042
(d) Sandalwood	...	...	...	...	323	502	...	...	...	3,266	...	...	1,383	...	...	...	...	5,474
(e) Grass and other minor produce	...	...	...	214	...	106	...	697	1,750	49	...	...	104	29	281	...	...	3,230
II. Timber and other produce removed from the Forest by consumers or purchasers	...	...	...	309	767	365	...	1,378	474	3,199	220	1,168	2	...	...	...	...	7,882
III. Confiscated drift and waifwood	16	733	60	428	...	11	...	27	...	222	...	...	9	4	...	...	...	1,510
IV. Revenue from Forest not managed by Govt.—																			
V. Rent of leased Forests and payments to shareholders in Forests managed by Government Agency	...	...	...	...	...	...	...	...	...	...	...	3,500	...	...	...	1,095	...	4,595
VI. Live and dead Stock—																			
(a) Purchase of Cattle	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
(b) Feed and keep of Cattle	75	...	...	...	...	...	...	...	...	193	3,094	1,174	...	...	1,239	...	...	5,685
(c) Stores, Tools, and Plants	23	...	...	...	232	10	9	10	...	23	65	177	31	3	108	256	...	947
VII. Communications and Buildings—																			
(a) Roads and Bridges	...	...	...	...	...	...	...	...	...	...	2,646	724	86	...	167	...	146	3,769
(b) Buildings	1,000	...	...	5,408	186	672	...	...	...	...	1,250	250	...	50	137	1,851	...	10,804
(c) Other Works	...	...	...	...	...	150	...	20	6	394	...	...	137	...	...	...	...	707
VIII. Demarcation, Improvement and Extension of Forest—																			
(a) Demarcation	...	...	220	...	397	675	...	...	...	50	1,673	...	26	2,087	83	...	...	5,211
(b) Compensation for land and rights	...	...	...	...	...	100	...	...	...	...	...	...	...	...	...	...	...	100
(c) Surveys and working plans	...	...	...	...	...	360	...	...	544	...	...	...	339	...	26	...	217	1,486
(d) Plantations	36	...	371	...	2,947	1,052	2,380	74	...	2,116	...	4,395	176	32	...	7,112	...	20,664
(e) Protection from fire	18	...	2,429	...	270	185	...	...	...	349	460	799	245	...	42	734	92	5,623
(f) Other Works	...	...	...	...	140	4,582	982	376	549	346	123	...	723	...	...	2,279	200	10,300
IX. (a) Refunds	...	...	...	49	...	...	...	33	69	238	143	...	773	...	104	...	...	1,400
(b) Law Charges	...	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...	...	30
(c) Other Works	...	...	...	...	12	28	...	...	62	25	231	26	7	...	7	...	...	398
Total of A. "Conservancy and Works"...	10,144	733	14,003	6,514	18,847	10,661	3,371	21,887	12,391	13,449	18,738	15,190	6,382	2,227	3,715	21,905	2,210	1,63,367

Annual Statement of Receipts and Charges of the Forest Department for 1879-80—(Concluded.)

—	Madras.	Ganjam.	Godavari.													Malabar.			
	Central Office.	Goomsur and Surada.	Bhadrachallam.	Cuddapah.	Kurnool.	North Arcot.	South Arcot.	Trichinopoly.	Madura.	Tinnevel'y.	North Coimbatore.	South Coimbatore.	Nilgiri.	Salem.	South Canara.	Wynaad.	Nelumbur.	Palghaut.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Salaries—																			
(a) Conservator	14,400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14,400
(b) Superior Officers	14,250	...	352	4,200	3,000	4,200	3,000	4,000	4,200	5,800	5,400	4,769	7,691	200	203	4,188	4,800	...	66,450
(c) Subordinates, Forest, and Depôt Establishment.	...	1,879	827	5,663	4,470	3,085	2,221	17,016	4,321	4,090	6,256	3,554	4,714	9,019	2,149	2,847	2,330	1,124	59,564
(d) Office Establishment	6,535	408	471	1,244	1,336	984	1,257	536	920	1,389	2,224	1,417	1,468	1,722	1,474	1,896	1,147	252	26,680
(e) Deputation and Special Allowances...	140	...	...	146	90	...	340	127	...	1,760	...	...	...	278	...	1,195	...	...	4,576
II. Travelling allowances—																			
(a) Conservator	2,400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,400
(b) Superior Officers	1,714	...	205	1,800	1,800	1,962	2,187	155	2,114	4,690	1,828	1,810	1,579	1,248	...	1,400	1,200	...	25,442
(c) Subordinates, Forest and Depôt Establishment	...	480	...	600	436	851	324	255	339	410	1,096	406	696	1,035	793	170	180	180	8,251
(d) Office Establishment	879	...	2	82	...	39	80	25	42	157	136	243	...	110	315	...	29	4	2,143
III. Contingencies—																			
(a) Stationary	...	...	...	2	...	5	...	...	3	...	8	5	...	23	...	...	3	...	49
(b) Carriage of tents and records... ...	93	...	...	24	16	18	20	2	8	41	82	77	14	49	107	...	6	...	557
(c) Rents, Rates and Taxes	720	38	...	...	36	24	...	...	...	...	...	...	360	...	...	...	...	...	1,147
(d) Official Postage	423	16	...	67	47	150	110	65	193	83	114	124	25	224	88	97	34	10	1,869
(e) Sundries	2,611	25	17	5	131	88	109	9	66	212	263	183	49	70	60	4	195	4	4,102
Total of B. Establishment ...	44,165	2,864	1,874	13,833	11,362	11,406	10,098	2,590	12,206	18,632	17,407	12,588	16,596	13,977	4,986	11,797	9,924	1,574	2,17,861
Grand Total of all Expenditure ...	44,165	12,990	2,607	27,836	17,876	30,253	20,759	5,961	15,093	31,023	30,856	31,326	31,786	20,359	7,213	15,512	31,829	3,784	3,81,228

No. 275. Proceedings of the Board of Revenue, dated 10th February 1881, No. 228.

THE report on Forest operations in 1879-80 shows that much progress is being made in the formation of close reserves. It had for some time been evident that the area of the so-called reserved forests was too extended to admit of efficient protection and conservancy while the entire exclusion of cattle was alike impracticable and impolitic. A special Officer, Major C. Walker, has now selected close reserves in three Forest divisions—South Coimbatore, Tinnevelly and Madura—and in connection with the local Revenue and Forest Officers investigated and defined rights of way and grazing. The report on one of these divisions was submitted during the year now under review and those on the others have since been received. In other districts the work of selection, &c., is being carried on by the local officers under the direction of the Conservator himself. These close reserves when approved by Government are demarcated in view to survey, and it only remains for the Forest Department to effect their protection from fire and prevent the ingress of cattle.

2. The Forest law now so far advanced will define and legalize the position and powers of the Conservator and his Assistants and will also secure to the people due consideration of, and provision for, their requirements. The Bill as finally revised by the Madras Legislative Council now awaits the assent of the Governor-General.

3. *Section II-A, Reserved Forests.*—Considerable progress has been made in the demarcation of the three reserves selected in South Coimbatore (Anaimalai) Division, which comprise an area of 162 square miles, and a preliminary report has been sent in regarding proposed areas in North Coimbatore, but pending the arrival of the Forest Commission final decision is delayed. In the Godávari District, Mr. Boileau, acting in accordance with instructions from Government, has revised the limits of the areas originally selected and reduced them to eight square miles in Bhadráchalam and sixty-six square miles in Rékapalle. Preliminary selections have also been made in the forests of Goomsur and Suradá in Ganjam. In Cuddapah surveys of nine blocks, aggregating about sixty-three square miles, have recently been made by the Survey Department, and in the course of the year under review eight other blocks containing a total area of nearly 128 square miles have been selected, making a total of about 190 square miles in the district, whereby "forest conservancy will be secured for the future." In North Arcot the general question is likely to be delayed until the Commission can visit the district, but meanwhile preliminary steps have been taken and a reserve comprising 13·30 square miles has been sanctioned at Mámandúr. Steps have also been taken for selecting reserves on the Pachaimalais in Trichinopoly. Speaking of the forests of South Canara the Conservator gives his opinion that what is now being done in the way of demarcation may prove to be only a waste of money. Regarding the alleged reckless felling of timber in this district the Board will await a further report, which, it is presumed, may be expected when the Collector replies to Colonel Beddome's letter (paragraph 59). In Wynaad and Pálghat demarcation is said to be in hand, but details of work are not given.

4. The value of timber, &c., felled and removed during the year was Rs. 1,38,995 against Rs. 1,05,875 in the previous year, and of timber, &c., sold Rs. 1,93,962 against Rs. 1,80,423 in 1878-79.

5. *Section II-B, Fuel Reserves.*—Considerable progress was made during the year in protecting fuel reserves by fire-tracing. The total area of these reserves was about the same as in 1878-79, but the receipts fell from Rs. 14,359 to Rs. 12,354; the decrease occurred chiefly in Cuddapah, and is explained.

6. *Section II-C, Plantations.*—During the year there were eighty-one plantations under conservancy; the expenditure upon them amounted to Rs. 36,416 and

the receipts to Rs. 31,631. An area of 192¼ acres was planted. Attention has been given to fire-tracing with satisfactory results, and owing to stringent measures adopted no fire occurred in the Nilambúr Plantation.

7. *Section III, License and Voucher System.*—Rs. 1,74,025 were realized for timber removed under license during the year against Rs. 1,79,605 in 1878-79. There was a considerable decrease under Fire-wood chiefly in Cuddapah, which is attributed partly to diminished consumption by the Railway and partly to the Company having obtained their supplies from private jungles. The working of the license system in Kurnool is still reported to be unsatisfactory, but the matter is engaging the attention of the local officers and the Board trust that some efficient checks will be found without resorting to the plan recommended by the Conservator of restricting the issue of licenses.

8. *Section V, Financial Results.*—The total receipts of the year amount to Rs. 3,83,224 and the total expenditure to Rs. 3,81,228. The statement given at paragraph 144 shows particulars of the valuation of stock and exhibits an apparently large deficit. There has been doubtless very serious loss in consequence of felling in excess of requirements, and the Board trust that the Conservator will insist upon the orders which he has issued regarding the careful regulation of felling to probable requirements being very carefully observed. A further report from the Conservator upon the stock of timber in South Coimbatore is awaited.

(A true Extract.)

(Signed) E. GIBSON,
Acting Sub-Secretary.

No. 276. ORDER THEREON, 19th August 1881, No. 1,220.

Forests, No. 10.

	1879-80.	1878-79.
	RS.	RS.
Receipts	3,83,224	3,83,878
Charges	3,81,228	3,43,789
	1,996	40,089

THE financial result of the Forest administration in this Presidency in 1879-80 was a net surplus of Rs. 1,996 against Rs. 40,089 shown in the preceding year. The receipts were nearly the same as those of 1878-79; but there was a considerable increase in the charges under "Conservancy and Works," notably in connection with the selection and demarcation of reserves. The Government are glad to learn from recent information that the income has since greatly improved and resulted in a surplus of Rs. 1,34,697 in the year ending 31st March 1881.

2. The receipts and charges of the Department for the preceding five years are compared below with those of the year under review and the year last closed:—

Year.	Receipts.	Charges.	Net Result.
	RS.	RS.	RS.
1874-75	3,64,326	3,97,872	— 33,546
1875-76	4,26,359	4,30,083	— 3,724
1876-77	4,15,312	4,13,970	+ 1,342
1877-78	4,04,164	3,82,493	+ 21,671
1878-79	3,83,878	3,43,789	+ 40,089
Total ...	19,94,039	19,68,207	+ 25,832
Average ...	3,98,807	3,93,641	+ 5,166
1879-80	3,83,224	3,81,228	+ 1,996
1880-81	4,86,715	3,52,018	+1,34,697

3. It will be seen from the above that the net profits of the Department in 1879-80 were a little under 40 per cent. of the average profits of the preceding five years; but it is to be observed that the charges in 1879-80 include expenditure to a large extent, the returns from which can be realized only in the future, and much of which is not capable of being represented by a money-value as it has for its object the preservation of water-supply, &c.

4. The stock account shows the following particulars :—

	RS.
Value of stock at the commencement of the year	2,74,447
Do. at the close of the year	*2,30,901
Decrease ...	43,546

	RS.
South Coimbatore	3 033
Nilgiris	19,712
Salem	6,023
South Canara...	5,923
Nilambúr	6 150
	40,841

The decrease is mainly due to the falling off in the value of timber stock in the divisions noted in the margin, and is not creditable to the Department; the explanations submitted are unsatisfactory. The departmental felling operations, which should always be restricted to probable requirements, need closer supervision on the part of the Conservator.

5. It is not easy to make out from the statements appended to paragraphs 63 and 138 either the total yield of the forests during the year, or the quantities of timber, &c., placed in the market.

6. There was a perceptible increase in the quantities felled of red-wood, jungle-wood and sandal-wood, as noted in the margin. The continued demand in the English market for red-wood as a dye is satisfactory. The increase in sandal-wood is attributed to the relaxation of the restrictions hitherto placed upon the felling of that product, and that in jungle-wood to the enhanced supply needed for the Madras Harbour Works.

		1878-79.	1879-80.
Red-wood	... Mds	1,65,050	2,56,231
Sandal-wood	... Mds.	4,546	7,977
Jungle-wood	... C. feet.	57,716	60,861

7. The value of sâl-wood for sleepers will doubtless lead to an increasing demand for the wood, and the Government are glad to learn that the supply is abundant, and that there is no danger of the Goomsur forests being overworked.

Paragraph 21 of Colonel Beddome's Report.

8. The Collector of Ganjam will report on the point raised by Colonel Beddome in paragraph 19.

9. Paragraphs 6 to 62 of the Conservator's report deal with the progress made during the year in the matter of selecting close forest reserves, and the Board have briefly reviewed the same in paragraph 3 of their Proceedings. The demarcation of reserves in Tinnevelly, Madura, South Coimbatore, Nilgiris, Cuddapah and Godávari is finished, and Salem, Trichinopoly, North and South Arcots, South Canara, Wynaad and Pálghat are in hand. The areas reserved are given in the report as under—

	SQ. MILES.
South Coimbatore	162
Cuddapah	190
Godávari	74

Those reserved in the remaining three districts should have been stated. From the information transmitted to the Government of India in letter, dated 4th October 1880, No. 1,299, it appears that these are as follows :—

* *Note*—The total of the 12th column at page 19 of the Conservator's Report should be 1,25,593 not 12,893.

	SQ. MILES.
Tinnevelly	286
Madura	20
Nílgiris	39

10. Adverting to the Conservator's remarks in paragraphs 55 to 59 regarding South Canara, the Government note that the present Acting Collector is most intimately acquainted with the district and its peculiar circumstances (with which Colonel Beddome has little acquaintance), and they are in correspondence with him as to the present position of the investigation of private rights in the ghât tracts, which has now been some time in progress.

G. O., 4th August 1880, No. 919, paragraph 1.

11. The Government have again to impress on the Conservator that an Administration Report is not the place for bringing forward subjects calling for orders.

12. Report will be called for in the Public Works Department as to the delay in utilizing the sum of Rs. 5,400, provided for the erection of a Forest Office in Kurnool, referred to in paragraph 163 of the Conservator's report.

Paragraphs 190—192.

Paragraph 193.

13. Many of the mahogany seedlings in Nilambúr are thriving, and there appears to be no reason why the experiment should not be attended with success. The rubber trees (Cerea and Hevea) are spoken of as being now fairly established, and their growth is superb.

14. The Conservator, in paragraph 143 of his report, endeavors to meet the objection raised by the Board in paragraph 27 of their Proceedings, dated 1st November 1879, No. 3,094. The Board, however, do not notice Colonel Beddome's suggestions for ascertaining the cost of supervision debitable to each field of operations. The Government invite the Board's opinion on the Conservator's proposals.

15. The inspection tours of the Conservator and the officers of the department were as frequent as their other duties would permit.

(True Extract.)

(Signed) C. G. MASTER,

Secretary to Government.